

# PLAS Grammar-Concept Understanding Problem Manual

## About GUP

In the GUP assignment, we gave the source code and questions with the blanks for each problem. You need to fill the correct answer in the blanks for each problem by reading the source code.

## How to solve the GUP problems

1. Open the given PLAS (Programming Learning Assistant System) website link with the browser.

<https://www.ec.okayama-u.ac.jp/~dist/PLAS/index.html>

2. You will see the below screen. Click “Online Exercise” button.

**Programming  
Learning  
Assistant System  
PLAS**

**IMPROVE your  
programming  
skills**

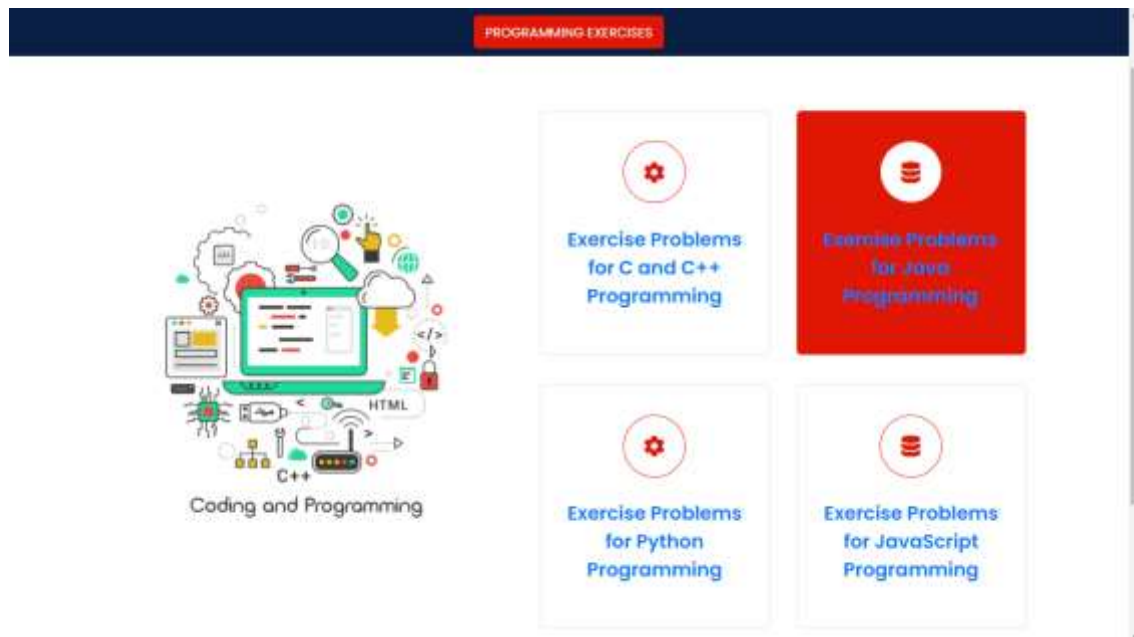


Online Exercise



**Click "Online Exercise" button.**

3. Click “Exercise problems for Java Programming”.



4. Choose Grammar-Concept Understanding Problem (GUP)



5. There are 28 problems and solve them starting from Problem No 1.

Offline JPLAS

TOPEnd

Sidemenu

Problems

Submission

Problems

Problem No	ProblemName	Remark
1	Basic Concepts	
2	Scanner Class	
3	If Condition	
4	Scanner Class	
5	Switch Condition	
6	Comparison	
7	Comparison	
8	Scanner and User Input	
9	Inheritance	
10	Inheritance	
11	Scanner and User Input	

Click Problem No 1.

6. Read the source code and questions. Then, write your answer in the box and click the “Answer” button to match your answers and the correct answers.

Sidemenu

1

The Source Code

Answer

Problem #1

Fill in Blanks

The Source Code

```
1 public class FirstProgram {
2     public static void main(String[] args) {
3         System.out.print ("HelloJava");
4     }
5 }
```

Question

Q1. What is access modifier in line 1?

Q2. What is class name?

Q3. Which keyword allows the method to run without creating an object?

Q4. Which keyword describes not returning data in line 2?

Q5. Which data type is used in line 2?

Q6. What will be displayed as the output?

Click "Answer" button to know your answers are correct or not.

Answer

AnswerNext

Write your answer in the box.

7. The box will show with the color whether your answer is correct or not. “White” means your answer is correct and “Pink” means your answer is incorrect or you did not answer anything in the blank. You can repeat the problems. If not, click “Next” button to continue next problem.

The screenshot shows a web-based programming problem interface. On the left is a sidebar with a 'Sidemenu' containing links for '1', 'The Source Code', and 'Answer'. The main area is titled 'Problem #1' and 'Fill in Blanks'. Below this is a section 'The Source Code' containing a Java code snippet:

```
1 public class FirstProgram {
2     public static void main(String[] args) {
3         System.out.print ("HelloJava");
4     }
5 }
```

Below the code is a 'Question' section with five questions (Q1-Q5) and input boxes. Annotations are present:

- A red arrow points to the 'public' input box for Q1 with the text 'Correct Answer.'
- A red arrow points to the 'args' input box for Q3 with the text 'Incorrect or blank answer'.

At the bottom, there is an 'Answer' section with two buttons: 'Previous' and 'Next'. A red arrow points to the 'Next' button with the text 'To continue next problem'.

8. After solving the final problem (Problem No 28), you will see the “Home” button. Click this button to submit your answer file.

Sidemenu

28

The Source Code

Answer

Problem #28

Fill in Blanks

The Source Code

```
1 public class Exception{
2     void checkAge(int age){
3         if(age<18)
4             throw new ArithmeticException("Not Eligible for voting");
5         else
6             System.out.println("Eligible for voting");
7     }
8     public static void main(String args[]){
9         Exception obj = new Exception();
10        obj.checkAge(13);
11        System.out.println("End of Program");
12    }
13 }
```

Question

Q1. Which keyword is used in method body to declare the exceptions that can occur in the statements present of the method?

Q2. Which keyword is used to create a new object or instance?

Q3. Which exception is thrown when an exceptional condition has occurred in an arithmetic operation?

Answer

Home

Click "Home" button to submit your answer file.

9. The submission file will show how many times you solved for each problem. Then, you have to submit them with your studentId or Name. Click **“Show Record”** button. Your answers for each problem will display in the below box. Click **“Save”** button. Your answer file will be saved with xxxxx.txt file in your computer’s download directory.

Sidemenu

- Problems
- Submission

Problem ID	Problem Name	Submission Count
22	For Loop	
23	While Loop	
24	Do While Loop	
25	Exception	
26	Exception	
27	Exception	
28	Exception	

Submission

1. Put studentID or Name →

2. Click the button →

```
0fd8041da105cc0670be7fa72ae37a48a050b0000852704c3fdae697d1c20bed
thandar 2 2020-11-17 11:45:43 dhsdasc[x].dnajnd[x].[x].[x].[x]
thandar 1 2020-11-17 11:45:31 public[o].Hello[x].main[x].static[x].[x].[x]
thandar 2 2020-11-17 11:45:56 dhsdasc[x].dnajnd[x].[x].scanInt.wisheshit[x].[x]
```

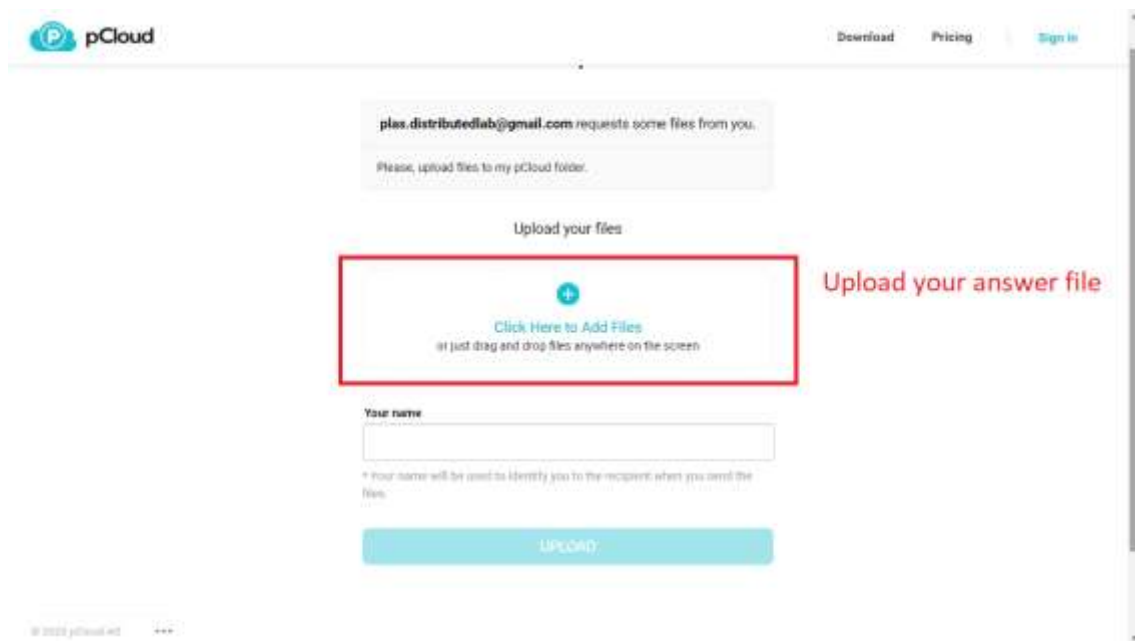
3. Click "Save" →

10. Upload your answer file to our system by using the below link.

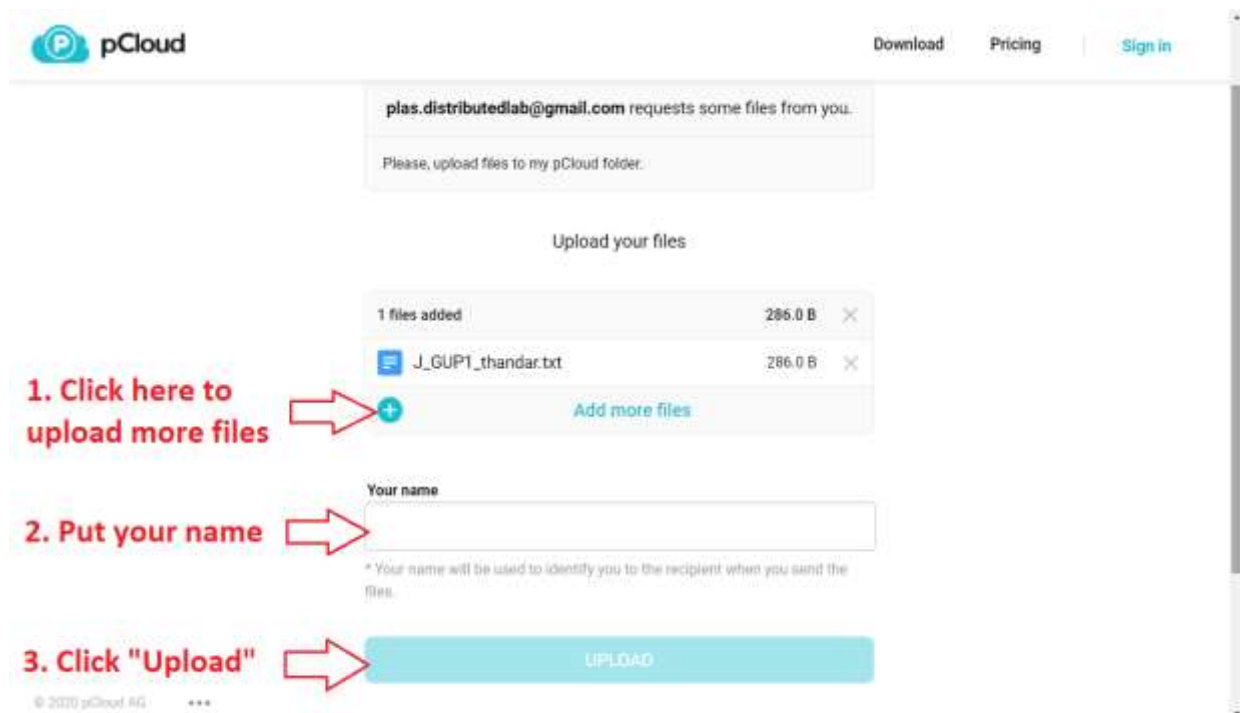
<https://u.pcloud.com/#page=puplink&code=u4O7ZHdCEih8Q2E7i16uXdBcPJ>

[VFYeDLV](#)

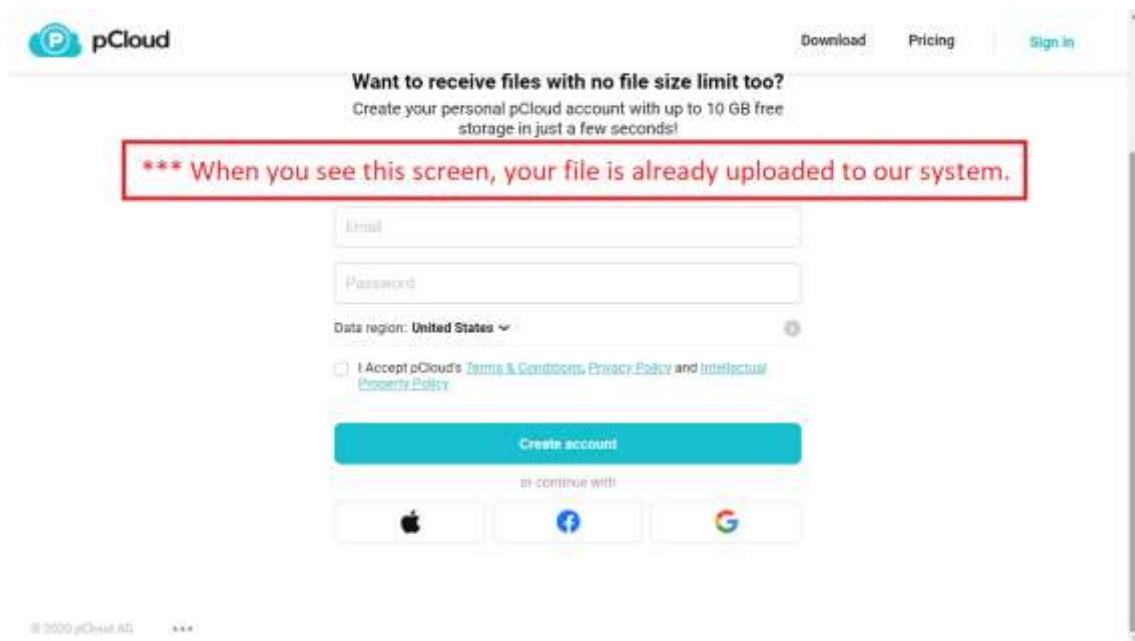
## Step 1.



## Step 2.



Step 3.



The image shows the pCloud account creation page. At the top, there is a navigation bar with the pCloud logo, a 'Download' button, a 'Pricing' button, and a 'Sign in' link. Below the navigation bar, a heading reads 'Want to receive files with no file size limit too?' followed by the text 'Create your personal pCloud account with up to 10 GB free storage in just a few seconds!'. A red-bordered box contains the text: '\*\*\* When you see this screen, your file is already uploaded to our system.' Below this box are input fields for 'Email' and 'Password'. Under the password field is a 'Data region' dropdown menu currently set to 'United States'. Below the dropdown is a checkbox labeled 'I Accept pCloud's Terms & Conditions, Privacy Policy and Intellectual Property Policy'. A large blue button labeled 'Create account' is positioned below the checkbox. Underneath the button is the text 'or continue with' followed by three social media icons: Apple, Facebook, and Google. At the bottom left of the page, the copyright notice '© 2000 pCloud AG' is visible.

**Want to receive files with no file size limit too?**  
Create your personal pCloud account with up to 10 GB free storage in just a few seconds!

\*\*\* When you see this screen, your file is already uploaded to our system.

Email

Password

Data region: United States

☐ I Accept pCloud's [Terms & Conditions](#), [Privacy Policy](#) and [Intellectual Property Policy](#)

Create account

or continue with

Apple Facebook Google

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