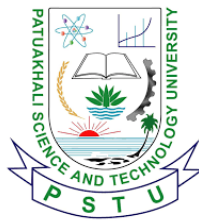


Assignment No.-01

Final Examination Question Solve



Submitted TO:

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1. Write the assignment based on how to compile and run java program using command prompt.

Answer:

To compile and run a Java program using the command prompt, follow these steps:

1. Write the Java Program:

Create a text file with a .java extension and write your Java program in it. For example, you can use a simple text editor like Notepad to create a Java program named HelloWorld.java. Here's an example program:

```
public class HelloWorld {  
  
    public static void main(String[] args) {  
  
        System.out.println("Hello, World!");  
  
    }  
  
}
```

2. Save the File:

Save the file in a directory of your choice. Make sure to remember or note down the file's location on your computer.

3. Open Command Prompt:

Open the command prompt on your computer. You can do this by searching for "cmd" or "Command Prompt" in the Windows Start menu or using Terminal on macOS/Linux.

4. Navigate to the Directory:

Use the **cd** (change directory) command to navigate to the directory where you saved your Java file. For example:

```
cd path\to\your\directory
```

Replace **path\to\your\directory** with the actual path to the directory where your Java file is located.

5. Compile the Java Program:

To compile the Java program, use the **javac** command followed by the name of your Java file (without the .java extension). For example:

```
javac HelloWorld.java
```

If everything is done correctly, you should see the output of your Java program on the command prompt:

```
Hello, World!
```

That's it! You've successfully compiled and run a Java program using the command prompt

2. Write step by step for compiling and run java program through IDE like Netbeans, IDEAJ eclipse etc.

Compiling and running a Java program using an Integrated Development Environment (IDE) like NetBeans, IntelliJ IDEA, or Eclipse is typically more user-friendly than using the command prompt. Here are step-by-step instructions for compiling and running a Java program using each of these popular IDEs:

Using NetBeans:

1. Open NetBeans:

- Launch the NetBeans IDE on your computer.

2. Create a New Java Project:

- Go to "File" > "New Project."
- Select "Java" under "Categories" and "Java Application" under "Projects."
- Click "Next."

3. Configure the Project:

- Enter a project name and specify the project location.
- Click "Finish."

4. Write Your Java Code:

- In the newly created project, expand the "Source Packages" folder and right-click the default package.
- Choose "New" > "Java Class" to create a new Java class.
- Write your Java code in the class file.

5. Compile and Run:

- Right-click the class file that contains your main method.
- Select "Run File" or "Run Project" to compile and run your Java program.

Using IntelliJ IDEA:

1. Open IntelliJ IDEA:

- Launch IntelliJ IDEA on your computer.

2. Create a New Java Project:

- Go to "File" > "New" > "Project."
- Select "Java" on the left panel and choose "Java Application."
- Click "Next."

3. Configure the Project:

- Enter a project name and specify the project location.
- Click "Finish."

4. Write Your Java Code:

- In the newly created project, right-click the src folder and select "New" > "Java Class."
- Write your Java code in the class file.

5. Compile and Run:

- Right-click the class file that contains your main method.
- Select "Run <YourClassName.main()" to compile and run your Java program.

Using Eclipse:

1. Open Eclipse:

- Launch Eclipse IDE on your computer.

2. Create a New Java Project:

- Go to "File" > "New" > "Java Project."
- Enter a project name and click "Finish."

3. Write Your Java Code:

- In the Project Explorer, right-click the src folder and select "New" > "Class."
- Write your Java code in the class file.

4. Compile and Run:

- Right-click the class file that contains your main method.

- Select "Run As" > "Java Application" to compile and run your Java program.

In all three IDEs, the development environment provides a user-friendly interface for creating, writing, compiling, and running Java programs, making the process smoother and more efficient compared to using the command prompt.