

Unit - 3: Fundamentals of Java Programming

DATA TYPES AND VARIABLES

STEP 2: In the new file dialog box that appears, under the categories list, select Java and under the File Types list select Java Class (They should be already selected). Click on Next to create a new java Class file see this figure..

	New File				
Steps	Choose File Type				
1. Choose File Type	Project: 🍅 Helloworld				
	Categories: File Types:				
	Leva Class Leva Fuest L				
	Description:				
	Creates a new plain Java class. This template is useful for creating new non-visual classes.				
Click on create a Class	Next to new Java File	Cancel Help			

Figure:- Creating a New Java Class File

<u>STEP 3</u>: In the **New Java Class** dialog box, type a name in the **Class Name** text box. For our program, we type Percentage calculator, when you type the name of the class, the **Created File** field also changes automatically. Make sure the **Package** field displays the Hello world Package. Click on **Finish** to finish creating the new Java Class File and to return to the IDE.

14 ·			New Java Class	
Steps	-	Name and L	ocation	
1. Choose File Type 2. Name and Location	<	Class Name:	PercentageCalculator	
		Project:	HeloWorld	
		Locations	Source Packages	
	<	Package:	heloworld	
		Created File:	novo Cocumenta (NetBeansProjecta (Hello/Morid (prc'(Hell	oworld'PercentageCalculator.jav
	C	Contraction of the local distance of the loc		
		finish cre	eating a	
		Java Cla	ass File	
(a. a.)	100			
-	-			
-	-			

Figure:- Finish Creating a New File

Observe, that in the Projects tab, a file called Percentage Calculator.Java has been added to the Hello World Package this figure no 3.



STEP: 4 Click in the Code Editor window under the Percentage Calculator. Java tab and type the Code show this figure. The Comments inserted by Netbeans Have been deleted for simplicity

Star	Page 🗴 🛃 HelloWorld.java 🗴 🛃 PercentageCalculator.java 🗴	
	▶····································	
1	package helloworld;	
2	/* Program to calculate Percentage from marks_obtained */	
3	public class PercentageCalculator {	
4	public static void main(String[] args) (
5	int total_marks = 400;	
6	double marks_obtained = 346;	
7	double percentage = 0.0;	
8		
9	<pre>percentage = (marks_obtained/total_marks)*100;</pre>	
10	System.out.println("Student1's Percentage = "+percentage);	
11	marks_obtained = 144;	
12	percentage = (marks_obtained/total_marks)*100;	
13	System.out.println("Student2's Percentage = "+percentage);	
14		
15	3	
16		_

Figure: The Percentage Calculator Program

<u>STEP 5:</u> Click **File Save**(**Ctrl+S**) save the file.

<u>STEP:-6</u> Click **Run>Run File(Shift+F6)**to execute the program. The output of the program appears in the Output window is show this figure.

Ou	tput - HelloWorld (run)				
	run: Student1's Percentage = Student2's Percentage = BUILD SUCCESSFUL (total	86.5 36.0 time:	1 seco	nd)	

Figure:- Output from the Percentage Calculator Program

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