

**Register No : 23MCA1030**  
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**Subject : Java Programming Lab**

Q1. Declare a variable of type int named age and initialize it with your age.

Main.java	Output
<pre>1 2- class HelloWorld { 3-     public static void main(String[] args) { 4         System.out.println("Name: Vinayak Singh"); 5         int age=21; 6         System.out.println("My age is " + age); 7     } 8 }</pre>	<pre>java -cp /tmp/3019PIhxwR HelloWorld Name: Vinayak Singh My age is 21</pre>

Q2. Create two variables num1 and num2 with values 10 and 5, respectively. Perform addition, subtraction, multiplication, and division on these variables.

Main.java	Output
<pre>1 2- class HelloWorld { 3-     public static void main(String[] args) { 4         System.out.println("Name: Vinayak Singh"); 5         int num1=10; 6         int num2=5; 7         int add=num1+num2; 8         int subtract=num1-num2; 9         int multiply=num1*num2; 10        int divide=num1/num2; 11        System.out.println("\n Addition of num 1 and num2 is " + 12            add); 13        System.out.println("\n Subtraction of num 1 and num2 is 14            " + subtract); 15        System.out.println("\n Multiplication of num 1 and num2 16            is " + multiply); 17        System.out.println("\n Division of num 1 and num2 is " + 18            divide); 19    } 20 }</pre>	<pre>java -cp /tmp/3019PIhxwR HelloWorld Name: Vinayak Singh Addition of num 1 and num2 is 15 Subtraction of num 1 and num2 is 5 Multiplication of num 1 and num2 is 50 Division of num 1 and num2 is 2</pre>

Q3. Write a Java program that includes a function called initializeAge to declare a variable of type int named age and initializes it with your age. Call the function from the main method to execute the initialization.

// Expected Output:

// My age is: 25

Main.java	Output
<pre>1 public class questionthree 2 { 3     public static void main(String[] args) 4     { 5         initializeAge(); 6     } 7     public static void initializeAge() 8     { 9         int age=21; 10        System.out.println("My age is "+ age); 11    } 12 } 13</pre>	<pre>java -cp /tmp/3019PIhxwR questionthree My age is 21</pre>

Q4. Write a Java program that includes a function called initializeAge to declare a variable of type int named age and initializes it by taking user input. Call the function from the main method to execute the initialization.

// Example Input/Output:

// Enter your age: 28

// Your age is: 28

Main.java	Output
<pre>1 import java.util.*; 2 3 public class questionfour 4 { 5     public static void main(String[] args) 6     { 7         initializeAge(); 8     } 9     public static void initializeAge() 10    { 11        Scanner scan=new Scanner(System.in); 12        System.out.print("Enter your age: "); 13        int age=scan.nextInt(); 14        System.out.println("My age is:"+age); 15    } 16 } 17</pre>	<pre>java -cp /tmp/3019PIhxwR questionfour Enter your age: 21 My age is:21</pre>