Java Question & Answers – 2

1.Write a Java program to add two numbers by taking input from user.

Ans:

```
import java.util.Scanner;

public class Programtwo {
   public static void main(String[] args){
      System.out.print("Enter first Number : ");
      Scanner s1=new Scanner(System.in);
      int firstNumber = s1.nextInt();
      System.out.print("Enter second Number : ");
      Scanner s2=new Scanner(System.in);
      int secondNumber = s2.nextInt();
      int sum=firstNumber+secondNumber;
      System.out.printf("The sum of %d and %d is %d"
                              ,firstNumber,secondNumber,sum);
   }
}
```

output:

```
Enter first Number : 5

Enter second Number : 4

The sum of 5 and 4 is 9
```

2.Write a java program to find out the number is positive or negetive.

Ans:

```
import java.util.Scanner;

public class Programtwo {
```

```
   public static void main(String[] args) {
      System.out.print("Enter a number : ");
      Scanner s1=new Scanner(System.in);
      int myNumber = s1.nextInt();
      if(myNumber>0)
         System.out.printf("%d is positive number."
                                              ,myNumber);
      else if(myNumber==0)
         System.out.println("0 is nither positive or
                                             negetive.");
      else
         System.out.printf("%d is negetive number."
                                                ,myNumber);
   }
}
```

output:

```
Enter a number : -89

-89 is negetive number.
```

3.Write a java program to find out whether a given number is even or odd.

Ans:

```
import java.util.Scanner;

public class Programtwo {
   public static void main(String[] args) {
      System.out.print("Enter a number : ");
      Scanner s1=new Scanner(System.in);
      int myNumber = s1.nextInt();
      if(myNumber%2==0)
         System.out.printf("%d is even.",myNumber);
      else
         System.out.printf("%d is odd.",myNumber);
   }
}
```

Output:

```
Enter a number : 89

89 is odd.
```

4.If the age of a person is user input then find out whether the person is valid voter or not.

Ans:

```
import java.util.Scanner;

public class Programtwo {
   public static void main(String[] args) {
      System.out.print("Enter Your Age : ");
      Scanner s1=new Scanner(System.in);
      int myAge = s1.nextInt();
      if(myAge>=18)
         System.out.print("You're voter.");
      else
         System.out.print("You're not a voter.");
   }
}
```

output:

```
Enter Your Age : 20

You're voter.
```

5.Find out the largest number between two numbers.

Ans:

```
import java.util.Scanner;

public class Programtwo {
   public static void main(String[] args) {
```

```
      System.out.print("Enter first number : ");
      Scanner s1=new Scanner(System.in);
      int firstNumber=s1.nextInt();
      System.out.print("Enter second number : ");
      Scanner s2=new Scanner(System.in);
      int secondNumber = s2.nextInt();
      if(firstNumber>secondNumber)
         System.out.printf("%d is largest number."
                                              ,firstNumber);
      else
         System.out.printf("%d is largest number."
                                              ,secondNumber);
   }
}
```

output:

```
Enter first number : 78

Enter second number : 56

78 is largest number.
```

6.Findout the smallest number amoung 3 number.

Ans:

```
import java.util.Scanner;

public class Programtwo {
   public static void main(String[] args) {
      //Take input
      System.out.print("Enter first number : ");
      Scanner s1=new Scanner(System.in);
      int firstNumber=s1.nextInt();
      System.out.print("Enter second number : ");
      Scanner s2=new Scanner(System.in);
      int secondNumber = s2.nextInt();
      System.out.print("Enter third number : ");
      Scanner s3=new Scanner(System.in);
```

```
        int thirdNumber = s3.nextInt();
        //calculation and output
        if(firstNumber<secondNumber){
           if(firstNumber<thirdNumber)
              System.out.printf("%d is smallest."
                                                ,firstNumber);
           else
              System.out.printf("%d is smallest."
                                                ,thirdNumber);
        }else {
           if(secondNumber<thirdNumber)
              System.out.printf("%d is smallest."
                                                ,secondNumber);
           else
              System.out.printf("%d is smallest."
                                                ,thirdNumber);
        }
     }
}
```

output:

```
Enter first number : 78

Enter second number : 49

Enter third number : 36

36 is smallest.
```

7.Find out the grade and average of a student in 5 different subject.

Score	Grade
>=90	O
80-90	E
70-80	A
60-70	B

Score	Grade
50-60	C
40-50	D
<40	Fail

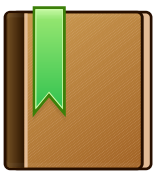
Ans:

```
import java.util.Scanner;

public class Programtwo {
   public static void main(String[] args) {
      //Take input
      System.out.print("Enter first marks : ");
      Scanner s1=new Scanner(System.in);
      float firstMarks=s1.nextFloat();
      System.out.print("Enter second marks : ");
      Scanner s2=new Scanner(System.in);
      float secondMarks = s2.nextFloat();
      System.out.print("Enter third marks : ");
      Scanner s3=new Scanner(System.in);
      float thirdMarks = s3.nextFloat();
      System.out.print("Enter fourth marks : ");
      Scanner s4=new Scanner(System.in);
      float fourthMarks = s4.nextFloat();
      System.out.print("Enter fifth marks : ");
      Scanner s5=new Scanner(System.in);
      float fifthMarks = s5.nextFloat();
      //Calculation
      float average = (fifthMarks+secondMarks
      +thirdMarks+fourthMarks+fifthMarks)/5;
      //output
      System.out.printf("Average Marks = %.2f\n",average);
      System.out.print("Your Grade is ");
      if(average>=90)
         System.out.println("O");
      else if(average>=80)
         System.out.println("E");
      else if(average>=70)
         System.out.println("A");
      else if(average>=60)
         System.out.println("B");
```

```
      else if(average>=50)
         System.out.println("C");
      else if(average>=40)
         System.out.println("D");
      else
         System.out.println("Fail");
   }
}
```

Output:

```
Enter first marks : 85

Enter second marks : 69

Enter third marks : 48

Enter fourth marks : 85

Enter fifth marks : 45

Average Marks = 58.40

Your Grade is C
```



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