

# Name – syed mubashshir ali

//Q.1 print welcome?

```
package assignment;

public class Q1 {

    public static void main(String[] args) {

        System.out.println("welcome");
    }

}
```

Output

welcome

//Q.1 print the sum of given 3 float numbers?

```
package assignment;
import java.util.*;
public class Q2 {

    public static void main(String[] args) {
        float num1,num2,num3,result;
        Scanner s = new Scanner(System.in);
        System.out.println("Enter any 3 float numbers ");
        num1 = s.nextFloat();
        num2 = s.nextFloat();
        num3 = s.nextFloat();
        result=num1+num2+num3;
        System.out.println("The result after addition is "+result);
    }

}
```

Output

Enter any 3 float numbers  
10.20  
40.30  
80.66

//Q.3 swap two no?

```
package assignment;

public class Q3 {

    public static void main(String[] args) {

        int x = 100, y = 200;

        System.out.println("Before Swap");
        System.out.println("x = " + x);
        System.out.println("y = " + y);

        int temp = x;
        x = y;
        y = temp;

        System.out.println("After swap");
        System.out.println("x = " + x);
        System.out.println("y = " + y);

    }

}
```

## Output

```
Before Swap
x = 100
y = 200
After swap
x = 200
y = 100
```

//Q.4 check if no is even or odd?

```
package assignment;

import java.util.Scanner;

public class Q4 {

    public static void main(String[] args) {

        Scanner s = new Scanner(System.in);

        System.out.print("Enter a number: ");
        int num = s.nextInt();

        if(num % 2 == 0)
            System.out.println(num + " is even");
        else
            System.out.println(num + " is odd");

    }

}
```

```
}
```

## Output

Enter a number: 20  
20 is even

//Q.5 to check from 3 given no that whether a number is greater than or equal 20 and less than other numers print appropriate message?

```
package assignment;

public class Q5 {

    public static void main(String[] args) {

        int a=30;
        int b=35;
        int c=39;
        if(a>20 && a<b && a<c)
        {
            System.out.println("condition is true ");
        }
        else
            System.out.println("condition fails");

    }

}
```

## Output

condition is true

//Q.7to check if sales of a person is greater than 10000 then eligible for bonus else not eligible calculate 20% bonus of sales?

```
package assignment;
import java.util.Scanner;
public class Q7 {
    public static void main(String[] args) {

        float sale,bonus;
        Scanner s = new Scanner (System.in);
        System.out.println("enter the sale amount");
        sale = s.nextFloat();

        if (sale>10000) {
            System.out.println("eligible for bonus");
            bonus = sale * (0.2F);
            System.out.println(" bonus is "+bonus);
        }

    }

}
```

```

else {
    System.out.println("not eligible for bonus");
}

```

## Output

```

enter the sale amount
11000
eligible for bonus
bonus is 2200.0

```

//Q.8 to check if two given integer value is in range of 18 and 100 print eligible for voting else not eligible?

```

package assignment;
import java.util.Scanner;
public class Q8 {

    public static void main(String[] args) {
        int a;
        int b;

        Scanner s=new Scanner(System.in);
        System.out.println("enter the age = ");
        a=s.nextInt();

        System.out.println("enter the age = ");
        b=s.nextInt();

        if(a>=18 && a<=100)
            System.out.println("a is eligible for voting ");
        else
            System.out.println("a is not eligible for voting ");

        if(b>=18 && b<=100)
            System.out.println("a is eligible for voting ");
        else
            System.out.println("a is not eligible for voting ");
    }
}

```

## Output

```

enter the age = 2
enter the age = 20
a is not eligible for voting
a is eligible for voting

```

//Q.9 to print the average of given 5 subjects marks of student and check if average >=40 print pass else print fail?

```
package assignment;

public class Q9 {
    public static void main(String[] args) {
        int num1=10;
        int num2=30;
        int num3=60;
        int num4=120;
        int num5=240;
        float average;
        average = ((num1+num2+num3+num4+num5)/5);
        System.out.println("average of 5 no is "+average);
        if( average>=40)
            System.out.println("pass");
        else
            System.out.println("fails");
    }
}
```

### Output

```
average of 5 no is 92.0
pass
```

//Q.10 to ask name , age and salary of an employee and print it on console?

```
package assignment;

import java.util.Scanner;

public class Q10 {

    public static void main(String[] args) {
        String name;
        int age;
        int salary;
        Scanner s= new Scanner(System.in);
        System.out.println("enter name");
        name= s.next();

        System.out.println("Enter age");
        age =s.nextInt();

        System.out.println("salary");
        salary =s.nextInt();
        System.out.println(" name is "+name);
        System.out.println(" age is "+age);
        System.out.println(" salary is "+salary);
    }
}
```

```
}
```

## Output

```
enter name
neha
Enter age
45
salary
20000
name is    neha
age is    45
salary is  20000
```

//Q.11 wpa that ask two numbers from user and print greater number among two?

```
ackage assignment;
```

```
import java.util.*; //in java its a predefined class
```

```
public class Q11
```

```
{
```

```
public static void main ( String args[ ] )
```

```
{
```

```
Scanner s=new Scanner(System.in);
```

```
System.out.println("Enter a number ");
```

```
int a=s.nextInt();
```

```
System.out.println("Enter a number ");
```

```
int b=s.nextInt();
```

```
if(a>b)
```

```
System.out.println(a);
```

```
else
```

```
System.out.println(b);
```

```
}
```

```
}
```

## Output

```
Enter a number
20
Enter a number
30
30
```

//Q.12 wpa to ask product name and price of product from user and calculate discount i.e if price .2000 the discount is 10 percent of price else discount 7% of price?

```
package assignment;

import java.util.Scanner;

public class Q12 {

    public static void main(String[] args) {
        String name;
        int price;
        float discount;
        Scanner s= new Scanner(System.in);
        System.out.println("enter product name");
        name= s.next();
        System.out.println("Enter price");
        price =s.nextInt();

        if(price>2000) {
            System.out.println("discount is 10 percent");
            discount = price * (0.1F);
            System.out.println(" discount is "+discount);
        }
        else {
            System.out.println("discount is 7 percent");
            discount = price *(0.07F);
            System.out.println(" discount is "+discount);
        }
    }
}
```

## Output

```
enter product name
hp
Enter price
3000
discount is 10 percent
discount is 300.0
```