```java
// wap to swap two numbers

package assignm;

import java.util.Scanner;

public class Swapping {

	public static void main(String[] args) {
    int x,y,z;
    Scanner r = new Scanner(System.in);
    System.out.println("enter two no");
    x=r.nextInt();
    y=r.nextInt();
    System.out.println("before swapping x and y is:"+x +" "+ y);
    z=x;
    x=y;
    y=z;
    System.out.println("after swapping x and y is:"+ x +" " +y );



	}

}
//output

enter two no
26
30
before swapping x and y is:26 30
after swapping x and y is:30 26

//w.ap to print welcome message
package assignm;

public class Message {

	public static void main(String[] args) {
		System.out.println("welcome");

	}

}
//output

welcome




//w.a.p to print sum of three float numbers
```

```java
package assignm;

import java.util.Scanner;

public class Sum {

	public static void main(String args[]) {
		float a,b,c,d;
		Scanner r= new Scanner(System.in);
		System.out.println("enter three no");
		a= r.nextFloat();
	b=r.nextFloat();
		c=r.nextFloat();
	    d= a+b+c;
	    System.out.println("sum is :"+ d);

	}


}

//output

enter three no
20
3.2
25.6
sum is :48.800003

//wap to check if number is even or odd

package assignm;
import java.util.Scanner;

public class Even {

	public static void main(String[] args) {
    int n;
    Scanner r = new Scanner(System.in);
    System.out.println("enter no");
    n= r.nextInt();
    if (n % 2 == 0)
    System.out.println("no is even");
    else
    System.out.println("no is odd");




	}

}
// output
```

```
enter no
20
no is even

//wap to check from given three numbers that whether a number is greater than or
equal to 20 and less than other numbers print appropriate message
package assignm;
import java.util.Scanner;

public class Conditional {


          public static void main(String[] args) {
          int a= 20;
          int b= 30;
          int c= 40;
          if(b >= 20 && b <= 40 )
          System .out.println("valid no is: a");

             else
                 System.out.println("invalid no");




      }

}

//output

valid no is: a

//w.a.p to check if sales of a person is greater than 10000 then eligible for bonus
else not eligible eligible calculate bonus as 20% of sales
package assignm;
import java.util.Scanner;

public class Bonusofemp {

      public static void main(String args[])
      {
      int sales;
      float bons;
      Scanner r= new Scanner (System.in);
      System.out.println("sales of a person");
      sales=r.nextInt();

      if(sales>10000) {
    System.out.println("eligible for bonus");
      }
      else
            System.out.println("not eligible");
            bons= (float) (0.2*sales);
```

```
			System.out.println("bonus is :"+ bons);
		}

		}

//output

sales of a person

20000
eligible for bonus
bonus is :4000.0



//w.a.p to check if two  given number value is in range of 18 and 100 print eligible
for voting else not eligible
package assignm;

import java.util.Scanner;

public class Votingeligibility {

		public static void main(String args[])

		{
			int x, y;
			Scanner r= new Scanner(System.in);
			System.out.println("enter value");
			x=r.nextInt();
		    if(x>=18 && x<=100) {


					System.out.println("eligible for voting");
					}

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

		}
}


//output



enter value
56
eligible for voting
```

```
//wap to print average of given five subjects marks of student and check if average
>=40 print PASS else fail

package assignm;

public class Average {

      public static void main(String[] args) {
     int phy,che,maths,eng,it;
     phy=90;
     che=91;
     maths=100;
     eng=80;
     it=95;

     int avg;
     avg=(phy+che+maths+eng+it)/5;
     if(avg >= 40)
     System.out.println("pass");
     else
        System.out.println("fail");


     }

      }

//output

Pass

// w.ap to ask name,age and salary of an employee and print on console
package assignm;
import java.util.*;

public class Employeedetail {

      public static void main(String[] args) {
    String name;
    int age;
    float sal;
    System.out.println("enter name, age and salary");

    Scanner r = new Scanner(System.in);
    System.out.println(" name is " );

    name = r.nextLine();
    System.out.println(" age is " );

    age=r.nextInt();
    System.out.println("salary is" );

     sal=r.nextFloat();
     System.out.println("name is :"+ name);
     System.out.println("age is :"+ age);
```

```
     System.out.println("salary is :"+ sal);
     }

}
```

//output

```
enter name, age and salary
 name is
ROHIT SINGH
 age is

29
salary is

500000
```

```
//w.ap to  ask two numbers from user and print greater among two
package assignm;
import java.util.Scanner;

public class Greaterno {

      public static void main(String args[]) {
    int x,y;
    Scanner r= new Scanner(System.in);
    System.out.println("enter two numbers");
    x=r.nextInt();
    y=r.nextInt();
    if(x>y)
 System .out.println("greater no is x:"+ x);
    else
   System .out .println("smaller no is y:"+ y);

      }

}
```

//OUTPUT

```
enter two numbers
40
30
greater no is x:40
```

```
// wa.ap to ask product name and price of product from user and calculate discount
i.e if price>2000 then discount is 10 percent of price else discount is 7 % of price.
package assignm;
import java.util.Scanner;
```

```java
public class Productdiscount {

	public static void main(String[] args) {
	String pro_name;
	int price;
	float discount;


	Scanner r= new Scanner(System.in);
	System.out.println("enter product name and price");
	pro_name=r.nextLine();
	price=r.nextInt();

	if (price > 2000)
	{

	discount=(float)(0.1*price);
		System.out.println("discount is:"+ discount);
		}
	else {
		discount=(float)(0.07*price);
	System.out.println("discount is:"+ discount);
}
}
}

//OUTPUT

enter product name and price
 SHIRT
2500
discount is:250.0
```