



ASSIGNMENT 1

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1)

```
class que1{
    public static void main (String args []){
        System.out.println("hello world");
    }
}
```

```
PS D:\Project\Java\Assignment 1> java que1.java
hello world
```

2)

```
import java.util.Scanner;
class que2{
    public static void main(String args[])
    {
        double r,ans;
        Scanner s=new Scanner(System.in);
        System.out.println("enter radius : ");
        r=s.nextDouble();
        ans=(22*r*r)/7;
        System.out.println("area of circle is "+ans);
    }
}
```

```
PS D:\Project\Java\Assignment 1> java que2.java
enter radius :
5
area of circle is 78.57142857142857
```

3)

```
import java.util.Scanner;
class que3{
    public static void main(String args[])
    {
        System.out.println("enter any two number :");
        Scanner s=new Scanner(System.in);
        double num1=s.nextDouble();
        double num2=s.nextDouble();
        if(num1>num2)
            System.out.println(num1 +"is greater than "+num2);
        else
            System.out.println(num2 +"is greater than "+num1);
    }
}
```

```
PS D:\Project\Java\Assignment 1> java que3.java
enter any two number :
10
20
20.0is greater than 10.0
```

4)

```
import java.util.Scanner;
class que4{
    public static void main(String args[])
    {
        Scanner s=new Scanner(System.in);
        System.out.println("enter any one number :");
        double num1=s.nextDouble();
        if(num1%2==0)
            System.out.println(num1 +"is even number");
        else
            System.out.println(num1 +"is odd number");
    }
}
```

```
PS D:\Project\Java\Assignment 1> java que4.java
enter any one number :
23
23.0 is odd number
```

5)

```
import java.util.Scanner;
class que5{
    public static void main(String args[])
    {
        Scanner s=new Scanner(System.in);
        System.out.println("enter value of a:");
        int a=s.nextInt();
        System.out.println("enter value of b:");

        //swaping using third variable
        int b=s.nextInt();
        int c=a;
        a=b;
        b=c;
        System.out.println("after swapping : a="+ a +" and b="+ b);

        //swapping without third variable
        System.out.println("enter value of a:");
        int a1=s.nextInt();
        System.out.println("enter value of b:");
        int b1=s.nextInt();
        a1=a1+b1;
        b1=a1-b1;
        a1=a1-b1;
        System.out.println("after swapping : a="+ a1 +" and b="+ b1);

    }
}
```

```
PS D:\Project\Java\Assignment 1> java que4.java
enter value of a:
40
enter value of b:
34
after swapping : a=34 and b=40
enter value of a:
3
enter value of b:
4
after swapping : a=4 and b=3
```

6)

```
import java.util.Scanner;
class que6{
    public static void main(String args[])
    {
        int a,fact=1,i;
        System.out.print("enter number :");
        Scanner s=new Scanner(System.in);
        a=s.nextInt();
        for(i=1;i<=a;i++)
        {
            fact=fact*i;
        }
        System.out.println("factorial of "+ a + " is "+ fact);
    }
}
```

```
PS D:\Project\Java\Assignment 1> java que6.java
enter number :5
factorial of 5 is 120
```

7)

```
import java.util.Scanner;
class que7{
    public static void main(String args[])
    {
        int a,i,ans;
        System.out.print("enter number with which you want to multiply
table:");
        Scanner s=new Scanner(System.in);
        a=s.nextInt();
        for(i=1;i<=10;i++)
        {
            ans=a*i;
            System.out.print(ans+",");
        }
    }
}
```

```
PS D:\Project\Java\Assignment 1> java que7.java
enter number with which you want to multiply table:34
34,68,102,136,170,204,238,272,306,340,
```

8)

```
import java.util.Scanner;
class que8{
    public static void main(String args[])
    {
        Scanner s=new Scanner(System.in);
        System.out.println("enter one year :");
        int yr=s.nextInt();
        if(yr%4==0)
            System.out.println(yr +" is leap year");
        else
            System.out.println(yr +" is not leap year");
    }
}
```

```
PS D:\Project\Java\Assignment 1> java que8.java
enter one year :
2020
2020 is leap year
```

9)

```
class que9
{
    public static void main(String[] args)
    {
        int number = 987654, reverse = 0;
        while(number != 0)
        {
            int remainder = number % 10;
            reverse = reverse * 10 + remainder;
            number = number/10;
        }
        System.out.println("The reverse of the given number is: " + reverse);
    }
}
```

```
PS D:\Project\Java\Assignment 1> java que9.java
The reverse of the given number is: 456789
```

10)

```
import java.lang.*;
import java.io.*;
import java.util.*;

class que10{
    public static void main(String[] args)
    {
        String input = "hardik";

        char[] try1 = input.toCharArray();

        for (int i = try1.length - 1; i >= 0; i--)
            System.out.print(try1[i]);
    }
}
```

```
PS D:\Project\Java\Assignment 1> java que10.java
kidrah
```