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| **Name :- Mahajan Aditya Chandrakant**  **Class :- SYBCA**  **Roll No:-39**   |  |  | | --- | --- | | **Program** | **Output** | | class Demo  {  public static void main(String args[])  {  int n=10;  System.out.println(n);  System.out.println(n++);  System.out.println(n);  }  } | 10  10  11 |  |  |  | | --- | --- | | **Program** | **Output** | | class Demo  {  public static void main(String args[])  {  int n=10;  System.out.println(n);  System.out.println(++n);  System.out.println(n);  }  } | 10  11  11 | |
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| |  |  | | --- | --- | | **Program** | **Output** | | //Note: Scanner class work with JDK1.5 or above  import java.util.\*;  class Prime  {  public static void main(String args[])  {  int n, i, res;  boolean flag=true;  Scanner scan= new Scanner(System.in);  System.out.println("Please Enter a No.");  n=scan.nextInt();  for(i=2;i<=n/2;i++)  {  res=n%i;  if(res==0)  {  flag=false;  break;  }  }  if(flag)  System.out.println(n + " is Prime Number");  else  System.out.println(n + " is not Prime Number");  }  } | Please Enter a No.  7  7 is Prime Number  Process finished. | |
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| |  |  | | --- | --- | | **Program** | **Output** | | class Sum10  {  public static void main(String args[])  {  int n, sum=0;  for(n=1;n<=10;n++)  {  sum+=n; //or sum=sum+n;  }  System.out.println(sum);  }  } | 55 | |
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| |  |  | | --- | --- | | **Program** | **Output** | | class SumSq10  {  public static void main(String args[])  {  int n, sum=0;  for(n=1;n<=10;n++)  {  sum+=n;\*n //or sum=sum+n;\*n  }  System.out.println(sum);  }  } | 19728190 | |
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| |  |  | | --- | --- | | **Program** | **Output** | | //Note: Scanner class work with JDK1.5 or above  import java.util.\*;  class Factorial  {  public static void main(String args[])  {  int n, i, prod=1;  Scanner scan= new Scanner(System.in);  System.out.println("Please Enter a No.");  n=scan.nextInt();  for(i=n;i>=1;i--)  {  prod\*=i; //prod=prod\*i;  }  System.out.println("Factorial of " + n + " is " + prod);  }  } | Please Enter a No.  10  Factorial of 10 is 3628800  Process finished. | |
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| **Swap 2 Numbers using 3rd Variable**   |  |  | | --- | --- | | **Program** | **Output** | | //Note: Scanner class work with JDK1.5 or above  import java.util.\*;  class Swap  {  public static void main(String args[])  {  int n1, n2, temp;  Scanner scan= new Scanner(System.in);  System.out.println("Please Enter No 1: ");  n1=scan.nextInt();  System.out.println("Please Enter No 2: ");  n2=scan.nextInt();  **temp=n1;**  **n1=n2;**  **n2=temp;**  System.out.println("First No: " + n1);  System.out.println("Second No: " + n2);  }  } | Please Enter No 1:  40  Please Enter No 2:  80  First No: 80  Second No: 40  Process finished. | |
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