

```
\\Prashanth\Documents\java programs>javac 2week-6.java
\\Prashanth\Documents\java programs>java shapes
cylinder
e
      dius and height
889.51576464628798
130.83333333333334
cylinder
e
      dius
113.03999999999999
113.04
cylinder
e
      dius and height
119.8
157.0
cylinder
e
\\Prashanth\Documents\java programs>
```



2week-3.java

```
1  import java.util.*;
2  class pattern
3  {
4      public static void main(String args[])
5      {
6          Scanner sc=new Scanner(System.in);
7          int n,x=1;
8          System.out.println("enter value of n ");
9          n=sc.nextInt();
10         for(int i=1;i<=n;i++)
11         {
12             for(int j=1;j<=i;j++)
13                 System.out.print(x+++" ");
14             System.out.println();
15         }
16     }
17 }
```

```
documents\java programs>java patt
```

```
documents\java programs>
```

```
3  {
4      public static void main(String args[])
5      {
6          Scanner sc=new Scanner(System.in);
7          int cie,see,tot;
8          char c;
9          System.out.println("enter CIE marks out of 50");
10         cie=sc.nextInt();
11         System.out.println("enter SEE marks out of 100");
12         see=sc.nextInt();
13         see=see/2;
14         tot=cie+see;
15         if(tot>=90)
16             c='S';
17         else if(tot>=80)
18             c='A';
19         else if(tot>=70)
20             c='B';
21         else if(tot>=60)
22             c='C';
23         else if(tot>=50)
24             c='D';
25         else
26             c='F';
```

```
h\Documents\java programs>
```

```
ut of 50
```

```
ut of 100
```

```
h\Documents\java programs>
```

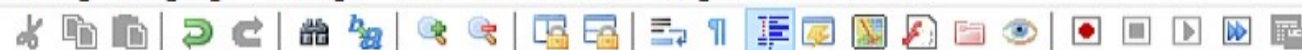
```
1  import java.util.*;
2  class prime
3  {
4      public static void main(String args[])
5      {
6          Scanner sc=new Scanner(System.in);
7          int m,n,i,j;
8          System.out.println("enter integer range m and n ");
9          m=sc.nextInt();
10         n=sc.nextInt();
11         int fact;
12         System.out.println("prime numbers : ");
13         for( i=m;i<=n;i++)
14         {
15             fact=0;
16             for( j=2;j<i;j++)
17             {
18                 if(i%j==0)
19                     fact=fact+1;;
20             }
21             if(fact==0)
22                 System.out.println(i);
23         }
24     }
```

```
shanth\Documents\java programs>javac 2week
```

```
shanth\Documents\java programs>java prime  
range m and n
```

```
S :
```

```
shanth\Documents\java programs>
```



java x 2week-5.java x 2week-6.java x

C:\Users\user\Documents\java programs\2week-3.java

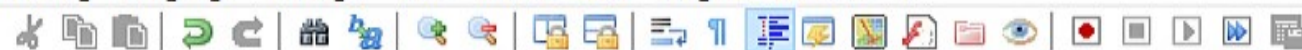
```

static void main(String args[])
{
    Scanner sc=new Scanner(System.in);
    int temp=0;
    while(temp==0)
    {
        System.out.println("enter 1.cylinder \n 2.cone \n 3.sphere \n 4.exit ");
        int n=sc.nextInt();
        switch(n)
        {
            case 1:cylinder();
            break;
            case 2:cone();
            break;
            case 3:sphere();
            break;
            case 4:temp=1;
            break;
            default:System.out.println("invalid choice ");
        }
        if(temp==1)
        {
            break;
        }
    }

    void cylinder()
    {
        Scanner sc=new Scanner(System.in);
        double r,h,a,v;
        System.out.println("enter radius and height ");
        r=sc.nextDouble();
        h=sc.nextDouble();
        a=(2.0*3.14*r*h)+(2.0*3.14*r*r);
        v=r*r*h;
        System.out.println("area = "+a);
    }
}

```





java x 2week-5.java x 2week-6.java x

```

Scanner sc=new Scanner(System.in);
double r,h,a,v;
System.out.println("enter radius and height ");
r=sc.nextDouble();
h=sc.nextDouble();
a=(Math.PI*r*h)+(2.0*Math.PI*r*r);
v=Math.PI*r*r*h;
System.out.println("area = "+a);
System.out.println("volume= "+v);

```

} // cone()

```

Scanner sc=new Scanner(System.in);
double r,h,a,v;
System.out.println("enter radius and height ");
r=sc.nextDouble();
h=sc.nextDouble();
a=Math.PI*r*h+Math.PI*r*r;
v=Math.PI*r*r*h/3.0;
System.out.println("area = "+a);
System.out.println("volume= "+v);

```

} // sphere()

```

Scanner sc=new Scanner(System.in);
double r,a,v;
System.out.println("enter radius ");
r=sc.nextDouble();
a=(4*Math.PI*r*r);
v=(4*Math.PI*r*r*r)/3.0;
System.out.println("area = "+a);
System.out.println("volume= "+v);

```