```
\Prashanth\Documents\java programs>javac 2week-6.java

\Prashanth\Documents\java programs>java shapes
cylinder

e


dius and height

89.51576464628798
 130.83333333333334
cylinder

e


dius

13.039999999999999
 113.04
cylinder

e


dius and height

19.8
 157.0
cylinder

e



\Prashanth\Documents\java programs>
```

2week-3.java

```java
import java.util.*;
class pattern
{
    public static void main(String args[])
    {
        Scanner sc=new Scanner(System.in);
        int n,x=1;
        System.out.println("enter value of n ");
        n=sc.nextInt();
        for(int i=1;i<=n;i++)
        {
            for(int j=1;j<=i;j++)
                System.out.print(x++ +" ");
            System.out.println();
        }
    }
}
```

```
ocuments\java programs>java patt
```

```
ocuments\java programs>
```

```
class grade
{
    public static void main(String args[])
    {
        Scanner sc=new Scanner(System.in);
        int cie,see,tot;
        char c;
        System.out.println("enter CIE marks out of 50");
        cie=sc.nextInt();
        System.out.println("enter SEE marks out of 100");
        see=sc.nextInt();
        see=see/2;
        tot=cie+see;
        if(tot>=90)
            c='S';
        else if(tot>=80)
        c='A';
        else if(tot>=70)
        c='B';
        else if(tot>=60)
        c='C';
        else if(tot>=50)
        c='D';
        else
        c='F';
```

```
n\Documents\java programs>j
ut of 50

ut of 100


n\Documents\java programs>
```

```java
import java.util.*;
class prime
{
    public static void main(String args[])
    {
        Scanner sc=new Scanner(System.in);
        int m,n,i,j;
        System.out.println("enter integer range m and n ");
        m=sc.nextInt();
        n=sc.nextInt();
        int fact;
        System.out.println("prime numbers : ");
        for( i=m;i<=n;i++)
        {
            fact=0;
            for( j=2;j<i;j++)
            {
            if(i%j==0)
            fact=fact+1;;
            }
            if(fact==0)
            System.out.println(i);
        }
    }
```

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

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

s :

shanth\Documents\java programs>
```

ents\java programs\2week-6.java - Notepad++

ncoding Language Settings Tools Macro Run Plugins Window ?

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

cuments\java programs\2week-3.java

```
til.*;


static void main(String args[])

ner sc=new Scanner(System.in);
,temp=0;
(temp==0)

System.out.println("enter 1.cylinder \n 2.cone \n 3.sphere \n 4.exit ");
=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 ");


f(temp==1)
reak;


oid cylinder()

er sc=new Scanner(System.in);
h,a,v;
t.println("enter radius and height ");
Double();
Double();
14*r*h)+(2.0*3.14*r*r);
r*h;
t.println("area = "+a);
```

length : 1,670 lines : 73 Ln : 55 Col : 10 Sel : 0 | 0 Windows (CR LF)

ents\java programs\2week-6.java - Notepad++

ncoding Language Settings Tools Macro Run Plugins Window ?

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

```
er sc=new Scanner(System.in);
 h,a,v;
at.println("enter radius and height ");
tDouble();
tDouble();
 14*r*h)+(2.0*3.14*r*r);
*r*h;
at.println("area = "+a);
at.println("volume=  "+v);

id cone()

 sc=new Scanner(System.in);
 h,a,v;
at.println("enter radius and height ");
tDouble();
tDouble();
=Math.sqrt(h*h+r*r);
(r+f);
*r*h)/3.0;
at.println("area = "+a);
at.println("volume=  "+v);


d sphere()

sc=new Scanner(System.in);
 a,v;
at.println("enter radius ");
tDouble();
4*r*r;
 14*r*r*r)/3.0;
at.println("area = "+a);
at.println("volume=  "+v);
```

length : 1,670 lines : 73 Ln : 55 Col : 10 Sel : 0 | 0 Windows (CR LF)