```
Develope java program to oreates on abstract class
                that contains two integers and an
named Shope
empty method named printAreals, Provide three classes
extends the class shape, Each one of the class contain
 only the method print Areal? that prints the area of
                          Printf " early the fresh and trase of
  import java vuttl , Scanner
  abstract class shape
                   triangle: tat how
                                           biologic
   abstract public vold printoreals;
 Class rectangle extends shape
                                           closs of tele enteness
    Int orea- rect :
    Public vold printarea
     Scanner 8 = new Scanner (Systemoln);
     Systemioutoprint In [" enter the length and breadth of
                             the rectangle ");
    0=S. nent Int (1;
     b= s. next Ent();
```

System. out oprint In ("Exter the length of rectangle:" + a + "breath of rectangle: "+ b); System.out.print In ("Area of rectangle:" + area-rect);

```
class triangle extends shape
   public to triongle - area;
   public void printareacs
  Sconner s= new Sconner (Systemila);
     Printf (" enter the height and base of the triangle");
     0= S. nent Ent()
     b= Sonpat Entl)
     triongle-onex = (a +b) /2
    Printf (" height of triangle: "+ a + "base of triangle" + b);
    Printf ( " area of triangle + triangle - area);
Class circle entends shape
  public At Chile- area!
   public void printareaco
      Scanner 8 = new Scanner (Systemin);
     Printf(" Enter the radius of the circle ");
     a= s. next Ent();
     circle - over = 3.14 x a * a;
     Printfl" onea of circle" + circle-oneal;
```

```
class Whapeclass
   public state void main (String angses)
      rectangle r= new rectangle (1;
       r. print oreals;
      triangle to new triangle (?;
       to printareals;
      Circle c= new. circlel?;
      c. printoreact;
out put
      Enter the length and breadth of rectangle
      rength of restangle : 2 bereachth of restangle : 3
       area of rectangle &
      Enter the height and base of triangle
      height of triongle : 2 base of triongle: 3
      area of triangle 3.0
     Enter the radius of circle
      3
      area of dicle: 28.25999
```