2. Develop a program to weath abstract de Develop a program two integers & emy shape that contains two integers & emy method print area (). Provide class we dang duiangle & will & print auea. import java util \*; abstract class Shape int a, b; Ihape (int a, int b) 3 your graphil recorn bigs sixous solder this a = a; this b = b; abstract void avea (); ( Jung C) class Linangle entends Shape y Roctargle (int a, int b) void area () { int auea = (a\* b); Tystem out printin (" Area of rectangle: " + anea); class Triangle entends Phape mercial 31 mg gang Luiangle (int a, int b)

```
void area O &
     int and = ( int) (0.5 * a * b);
     system out println (" Area of triangle: " + area);
    class livele extends thape of
    cincle (int a, int b)
      super (a, o),
    void and ()
    double area ()
   int auea = (int) (3.14M a*a);
   Aystern out println ("Area of circle: "+ area);
   4
  public class Demo
  public static void main (string augs []
  Mannon 1c = new Manney (Mystem. in);
  dystem out println ("Enter two values");
  int a = 1c. nent Int();
   int b = 1c nent9nt();
  Redangle u= new Redangle (a, b);
  He Manea ();
  Zuiangle t=new Tuiangle (a, D);
   t. avea ();
un linde c= new linde (a, o);
   c. area ();
```

Dutput! Enter 11 des of medangle: Arrea of erectangle: 20.0 ml. Enter sides of triangle Area of triangle: 227.5 Enter radius of arch: 33. Arrea of wicle us : 78.5 832.10 ((A \* D M P / 6) ( tol) = DUL

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class Devid

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