DAYANAND
1BM19CS043

Week

```
import java.util.Scanner;
abstract class shape
{ int d1, d2;
  abstract void printarea(); }
class rectangle extends shape
{ void printarea()
  { System.out.println("\n Area:"+(d1*d2)); }
}
  class triangl extends shape
{ void printarea()
  { System.out.println("\n Area:"+(d1*d2/2)); }
  }
  Class circle extends shape
  { void print area()
    { system.out.println("\n Area:"+(3.14159*d1*d2)); }
}
Class ShapeMain
{ public static void main(String args[]);
  int ch;
  triangle t=new triangle();
  rectangle r=new rectangle();
  System circle c=new circle();
  System.out.println("1.Rectangle\n 2.Triangl\n 3.circle"
```

```
System.out.Println("Enter the no. of Choice");
    Ch= get.nextInt();
    Switch (ch)
{ case 1; System.out.println("\n Enter height and width");
        s.d1 = get.nextInt();
        s.d2 = get.nextInt();
        s.printaria();
          break;
case 2; System.out.println("\n Enter altitude and base:");
    t.d1 = get.nextInt();
    t.d2 = get.nextInt();
    t.printaria();
      break;
case 3 : System.out.println("\n Enter the radius:");
      C.d1 = get.nextInt();
      C.d2 = get.nextInt();
       C.Printaria();
         break;
default : System.out.println("Invalid Input");
    }
  }
 }
```