```
done of the last.
LAB-4 mane author :
                                                       cather et p man
 infort jain . dil . Scanner;
 class Input Scarner &
                                                               we pour
         int d1, d2;
                                                     read & remen of house
         dianner se = new Sianner (System-in);
         Infut Scarrer () {
                if (this . get aloss () = = (wide . class) {
                                                                : Medib 1 Ani
                  Lysten. Out frintln ("Enter d1: ");
                                                                    more: al
                  d1 = Sc. nextInt();
                                                                    id: Padly
               3 free name, pater pare mention
                                                                    001: 100
               else {
                Lyslem. out-printer ("Enter d' and d2: "); which it
                     d1 = Sc. next Int();
                     d2 = &. next sht();
                                                       Sd: Auth
             91:300
      abstract dass Shape entends Input Saverner of alestract wind Rout print Area();
 Class Druoisgle entends Strape of word print Adrea () {
               dystem. But. privater ("Area of triangle is "+ (double)
                                                           (ar* d2) (2);
closes Rectarge entends Shape of
          word print Area () {
                System. out. println (" Area of redargle in: "+(double)
                                                               (d1 * d2);
```

```
Curile entend Shape E
dals
         wid prin Areol ) 5
           System. out. printer ("Area of wide "+ (double) (3.14* d1* d1))
dass Area Marin &
    public static word main (String args [7) {
                Lysten - Out - printtn (" Rishi - 18m22CS 222");
                 Rectargle & = new Rectargle(1)
                  Trusingle to = new Trusingle();
                  Curile c - new Curile ();
                     91. print Area (1;
                     to print Area ();
                     C. printArea ();
 authut -
Ender d1 and d2
Ender d1 and d2
3
Enter d1
Alrea of nectargle in: 20.0
Area of triangle in: 7.5
Area of wide in: 113.039
```

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