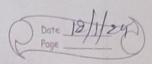
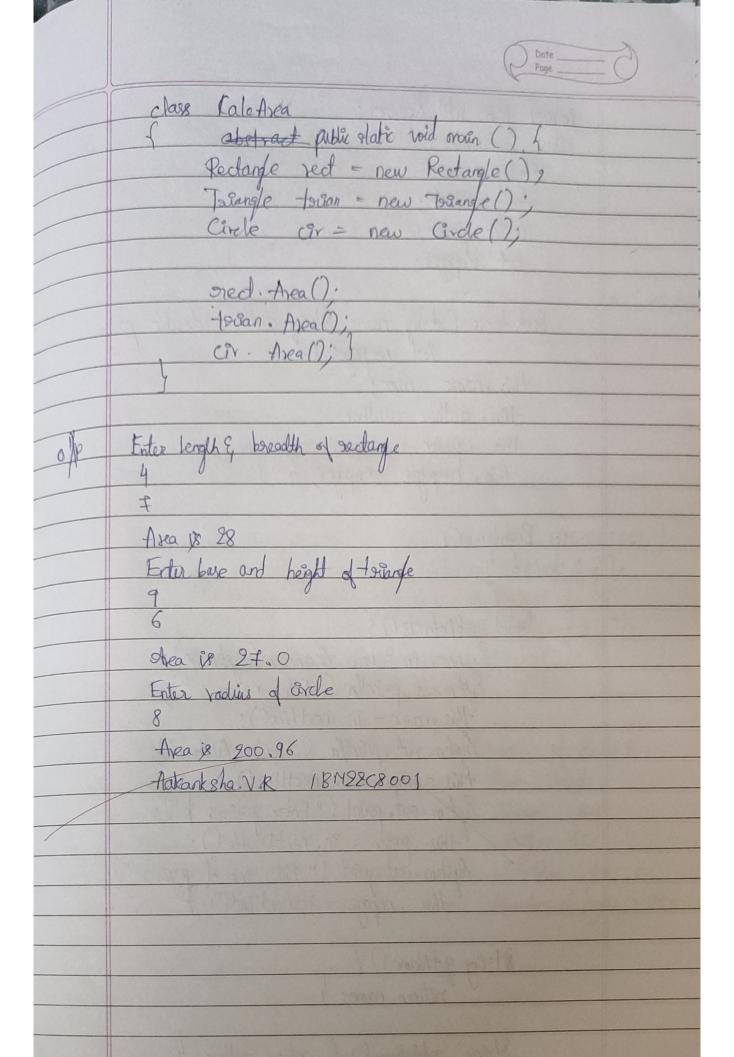
Powgam 4



Develop a Java Povogam to create an abstract does morel
Shape that contains two integers 4 an empty mother
named Dounthrea . Provide 3 classes named
Redarde, Tocargle and Cerde such that each one of
class extents the class Stape. Fach one of the classes
contain only the mothed posent Area () that possits the
and of other space
orea of gren shape.
NI OH
Algorathm
Step1: Start
Step 2: Greate Abstract dass Shape
Step3: Create subclass Restargle which extends to Stope
Coux.
Step 5: Greate a method Area to display area of red. Step 6: Create subclass transfe which extends to Shape
Steps: Greate a method Asea to display area of red.
Step 6: Goate subclass trangle which extends to Shape
Step 7: Road 9 puts for height & base
Step8: Create a method to find Area.
Step 9: Create subdass Oxde Extending to shape
Step 10: Read Enput for Grading
step 10: Greate a method to find thea.
Step 11. Grate class Calchea
Step 12; New objects sed, town & ar are
declared.
Step 13: Call mothed area for each obg.
Stop.

256);

the motory . Emport Java. util. Scanner abeleact dass Shape () abstract raid Areal) f Port x; Port y: } class Redargle extends Shape Scanner (n = new Scanner (); System. but. poundle (" Enter Length & breadth "). X = 80. pext Int (); y = in. next Int (); vad Asaa () System. oud. polatila (" Area 88"+ (x x y)).] class Tolangle extends Shape Scanner in = new Scanner (); System. out. poantln (" Enter height & base!). X = 9h. next Int (); y = in . next Int(); roid frea D a System. out. pountle (" Area 98" + (0.5 + x + y). class Circle extends. Shape Scanner in = new Scanner System. out. pountle (" Enter radies"). $1 \times = 9n \cdot \text{nextJnt}();$ Nost Axen) & System. out. posentla ("Area is" + 8.14 x x)



```
C:\Users\skc\Desktop\ooj p>java Shape
Aakanksha V R,1BM22CS001
enter the radius of the circle
area of the circle is78.5
enter the length and breadth of Rectangle
6
7
area of the rectangle is42
enter the base and height of Triangle
98
area of the triangle is36.0
```