

## **Department of Computer Engineering**

College of Engineering

## **Experiment 9**

Aim: Write PL/SQL code block to calculate the area of circle for a value of radius varying from 1 to 10. Store the radius and the corresponding values of calculated area in a table named areas (radius, area)

Resources required: P-IV and above, Oracle

Theory:

```
BEGIN

DECLARE pi float(5,4) DEFAULT 3.14;

DECLARE r int(5);

DECLARE a float(7,2);

SET r = 1;

WHILE r<=10 DO

SET a = pi*r*r;

INSERT INTO area values(r,a);

SET r = r+1;

END WHILE;

END
```

Conclusion: We have Successfully calculated area of circle for radius varying from 1 to 10 using code block in MySQL Command Line and Work Bench

## **Code and Output:**