LAB

REPORT 01

# CSE 204: Operating System and Unix Programming Sessional

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**Lab Report-01**

**Tasks:**

1. **Write a Shell program to find the area and circumference of a circle.**
2. **Write a Shell program to find the roots of a quadratic equation.**
3. **Write a Shell program to Find out the Area and Perimeter of Rectangle.**
4. **Write a Shell program to Find the Perimeter of a Circle, Rectangle and Triangle**
5. **Write a shell Script to Concatenate Two Strings.**
6. **Write a Shell program to find the largest among three numbers.**
7. **Write a Shell program to display student grades using switch case**
8. **Write a Shell program to find the sum of odd and even numbers from a set of numbers.**
9. **Write a Shell program to Check Triangle is Valid or Not**

**Code: 01**

**#!/bin/zsh**

**echo -n "Enter radius of a circle "**

**read r**

**PI='3.1416'**

**a=`echo $PI\\*$r\\*$r | bc`**

**c=`echo $PI\\*2\\*$r | bc`**

**echo "Area= $a"**

**echo "Circumference= $c "**

**Output: 01**

**┌──(kali㉿kali)-[~/Documents]**

**└─$ ./labrep1.sh**

**Enter radius of a circle 1**

**Area= 3.1416**

**Circumference= 6.2832**

**┌──(kali㉿kali)-[~/Documents]**

**└─$ ./labrep1.sh**

**Enter radius of a circle 10**

**Area= 314.1600**

**Circumference= 62.8320**