Java

**public** **class** Stud {

**public** String name;

**public** **int** sub1;

**public** **int** sub2;

**public** **int** sub3;

**public** String getName()

{

**return** name;

}

**public** **int** gets1()

{

**return** sub1;

}

**public** **int** gets2()

{

**return** sub2;

}

**public** **int** gets3()

{

**return** sub3;

}

**public** **void** setstu(String name,**int** sub1,**int** sub2,**int** sub3)

{

**this**.name=name;

**this**.sub1=sub1;

**this**.sub2=sub2;

**this**.sub3=sub3;

}

**public** **static** **void** main(String[] args) {

Stud s1=**new** Stud();

Stud s2=**new** Stud();

Stud s3=**new** Stud();

s1.setstu("Priya",70,85,96);

s2.setstu("Varma",40,75,66);

s3.setstu("Ram",74,75,66);

**int** avg1=(s1.gets1()+s1.gets2()+s1.gets3()/3);

**int** avg2=(s2.gets1()+s2.gets2()+s2.gets3()/3);

**int** avg3=(s3.gets1()+s3.gets2()+s3.gets3()/3);

System.***out***.println("The average of" +s1.getName()+"\t"+avg1);

System.***out***.println("The average of" +s2.getName()+"\t"+avg2);

System.***out***.println("The average of "+s3.getName()+"\t"+avg3);

}

}

**Ques 2**

**import** java.util.Scanner;

**public** **class** sub\_string {

**public** **static** **void** main(String[] args)**throws** StringIndexOutOfBoundsException {

Scanner scan;

System.***out***.println("Enter the string:");

scan=**new** Scanner(System.***in***);

String str=scan.nextLine();

**int** n=str.length()-1;

System.***out***.println("Enter start and end positions of substring: ");

**int** start=scan.nextInt();

**int** end=scan.nextInt();

**try**{

System.***out***.println(str.substring(start,end));

}

**catch**(StringIndexOutOfBoundsException e)

{

System.***out***.println("enter valid positions");

}

}

}

**9** SQL> select staff\_name,hiredate,to\_char(hiredate, ´day ´) as day from staff\_masters order by hiredate-(next\_day(hiredate,´monday´)) ;

**UNIX**

echo "enter file:"

read fil

echo "enter your choice:"

read no

case "$no" in

1) cat $fil;;

2) if [ -d "$fil" ]

then

echo "it is directory"

else

echo "it is file"

fi;;

3) wc -l $fil;;

4) sort $fil | uniq -u;;

\*) echo "enter valid option";;

Esac

**SQL REPORTS**

set linesize 100;

SQL> select \* from department\_masters;

depatment DEPT\_NAME

---------- --------------------------------------------------

10 Computer Science

depatment DEPT\_NAME

---------- --------------------------------------------------

20 Electricals

depatment DEPT\_NAME

---------- --------------------------------------------------

30 Electronics

depatment DEPT\_NAME

---------- --------------------------------------------------

40 Mechanics

depatment DEPT\_NAME

---------- --------------------------------------------------

50 Robotics

set underline '-'

SQL> select \* from department\_masters;

depatment DEPT\_NAME

---------- --------------------------------------------------

10 Computer Science

20 Electricals

30 Electronics

40 Mechanics

50 Robotics

column dept\_code heading depatment;

SQL> select \* from department\_masters;

depatment DEPT\_NAME

---------- --------------------------------------------------

10 Computer Science

20 Electricals

30 Electronics

40 Mechanics

50 Robotics

set pagesize 2;

SQL> select \* from department\_masters;

10 Computer Science

20 Electricals

30 Electronics

40 Mechanics

50 Robotics

column dept\_code format $99,990;

SQL> select \* from department\_masters;

$10 Computer Science

$20 Electricals

$30 Electronics

$40 Mechanics

$50 Robotic

PYTHON

1. PALLINDROME

string=input("Enter string:")

if(string==string[::-1]):

print("The string is a palindrome")

else:

print("The string isn't a palindrome")

1. Character count

fname = input("Enter file name: ")

l=input("Enter letter to be searched:")

k = 0

with open(fname, 'r') as f:

for line in f:

words = line.split()

for i in words:

for letter in i:

if(letter==l):

k=k+1

print("Occurrences of the letter:")

print(k)

--------FILENAME 1.txt---

1. Word count

string=input("Enter string:")

word=input("Enter word:")

a=[]

count=0

a=string.split(" ")

for i in range(0,len(a)):

if(word==a[i]):

count=count+1

print("Count of the word is:")

print(count)

SHELL SCRIPT

1. Menu for calculator

echo "3.Multiplication"

echo "4.Division"

echo "Enter your choice"

read ch

case $ch in

1)sum=`expr $n1 + $n2`

echo "Sum ="$sum;;

2)sum=`expr $n1 - $n2`

echo "Sub = "$sum;;

3)sum=`expr $n1 \\* $n2`

echo "Mul = "$sum;;

4)sum=`expr $n1 / $n2`

echo "Div = "$sum;;

\*)echo "Invalid choice";;

esac

echo "Do u want to continue ?"

read i

if [ $i != "y" ]

then

exit

fi

done

**numpy programs**

