**Cse 321 lab 02**

**Sifat Abdullah**

**Id:19101384**

**Task 01:**

#!/bin/bash

sum=0

for((i=0; i<10; i++))

do

echo enter an integer

read a

if [ $((a%2)) -eq 0 ];

then if [ $((a%8)) -ne 0 ];

then

sum=$((sum + a))

fi

fi

done

echo $sum

**Task 02:**

#!/bin/bash

echo enter a number

read a

if [ $((a%10)) -eq 0 ];

then if [ $((a%5)) -ne 0 ];

then if [ $((a%4)) -ne 0 ];

then

echo Rasengan

fi

fi

fi

if [ $((a%5)) -eq 0 ];

then if [ $((a%6)) -ne 0 ];

then

echo Oodama Rasengan

fi

fi

if [ $((a%6)) -eq 0 ];

then if [ $((a%5)) -ne 0 ];

then

echo Oodama Rasengan

fi

fi

if [ $((a%6)) -eq 0 ];

then if [ $((a%5)) -eq 0 ];

then

echo Rasen Shuriken

fi

fi

**Task 03:**

#!/bin/bash

echo enter a number

read a

x=10

if [ $a -ne 1 ];

then

while [ $x -ne 0 ];

do

c=$(( a%10 ))

echo $c

b=$(( (a-c)/10 ))

echo $b

c= $(( c \* c ))

b= $(( b \* b ))

a= $(( b + c ))

echo $a

if [ $a -eq 1 ];

then

echo "Happy prime"

fi

x= $(( x-1 ))

done

fi

**Task 04:**

#!/bin/bash

echo enter 1st number

read a

echo enter 2nd number

read b

echo enter 3rd number

read c

Addition () {

add=$(( $1 + $2 ))

echo "This operation is performed by Addition method"

echo "Result= $add"

}

Substraction () {

sub=$(( $1 - $2 ))

echo "This operation is performed by Substraction method"

echo "Result= $sub"

}

Multiplication () {

mul=$(( $1 \* $2 ))

echo "This operation is performed by Multiplication method"

echo "Result= $mul"

}

if [ $a -gt $b ];

then

Substraction $a $b

fi

if [ $b -gt $c ];

then

Addition $b $c

fi

if [ $b -eq $c ];

then

Multiplication $b $c

Fi

**Task 05:**

#!/bin/bash

a=(13 34 12 44 7 3 5 19)

for ((i=o; i<8;i++))

do

for ((j=i+1; j<8; j++))

do

if [ ${a[i]} -gt ${a[j]} ];

then

temp=${a[i]}

${a[i]}=${a[j]}

${a[j]}= $temp

fi

done

done

echo "Sorted Array is: "${a[\*]}