TASK-1

sum = 0

echo "enter numbers"

for((i=1; i<=10; i++))

do

read numbers

if [ $(($numbers%2)) -eq 0 ] && [ $((numbers%8)) -ne 0 ] ;

then sum=$(( $sum + $numbers ))

fi

done

echo $sum

TASK-2

echo "enter a number"

read num

if [ $(($num%4)) -ne 0 ] && [ $(($num%5)) -ne 0 ] && [ $(($num%10)) -eq 0 ];

then echo "Rasengan"

elif ([ $(($num%5)) -eq 0 ] && [ $(($num%6)) -ne 0 ]) || ([ $(($num%5)) -ne 0 ] && [ $(($num%6)) -eq 0 ]);

then echo "Oodama Rasengan"

elif [ $(($num%5)) -eq 0 ] && [ $(($num%6)) -eq 0 ];

then echo "Rasen Shuriken"

fi

TASK-3

echo "enter number"

read num

primeNum() {

if [ $num -lt 2 ];

then flag=0

else

for (( i=2; i<$num/2; i++ ))

do

if [ $(($num%$i)) -eq 0 ];

then flag=0

else

flag=1

echo "$flag"

exit

fi

done

fi

}

a="$(primeNum)"

if [[ $a -eq 0 ]]

then echo "$a not happy prime"

exit

fi

happynum() {

number=$1

r=0

sum=0

while (($number > 0))

do

((r = $number % 10 ))

((sum = sum + ($r \* $r)))

((number = number/10))

done

echo "$sum"

}

result=num

while [[ $result -ne 1 && $result -ne 4 ]]

do

result="$(happynum $result)"

done

if [ $result -eq 1 ]

then echo "$num is happy prime"

elif [ $result -eq 4 ]

then echo "$num is not happy prime"

fi

TASK-4

echo "enter num1"

read num1

echo "enter num2"

read num2

echo "enter num3"

read num3

if [ $num1 -gt $num2 ] ;

then echo $(($num1-$num2))

fi

if [ $num3 -lt $num2 ] ;

then echo $(($num3+num2))

fi

if [ $num2 -eq $num3 ] ;

then echo $(($num2\*$num3))

fi

TASK-5

read num

my\_arr=()

for ((k=0; k<$num; k++))

do

read n

my\_arr+=($n)

done

swap=1;

for ((i=0; i<$num-1; i++)) ;

do

swap=0;

for ((j = 0; j < $num-1-$i; j++ ))

do

if [[ ${my\_arr[j]} -gt ${my\_arr[$((j+1))]} ]]

then

temp=${my\_arr[$j]};

my\_arr[$j]=${my\_arr[$j+1]};

my\_arr[$j+1]=$temp;

swap=1;

fi

done

done

echo "Sorted array"

echo ${my\_arr[\*]}