ASSSIGNMENT-7

1. Shell script to print the reverse of a number:

echo "Enter a number: "

read num

rev=0

while [ $num -gt 0 ]

do

remainder=$((num % 10))

rev=$((rev \* 10 + remainder))

num=$((num / 10))

done

echo "The reverse of the number is: $rev"

1. Shell script to print the power of a number (a^b):

echo "Enter the base number (a): "

read a

echo "Enter the exponent (b): "

read b

result=1

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

do

result=$((result \* a))

done

echo "$a^$b = $result"

1. Shell script to print the table of a number entered by the user:

echo "Enter a number: "

read num

for i in {1..10}

do

echo "$num \* $i = $((num \* i))"

done

1. Shell script to print the Fibonacci series:

echo "Enter the number of terms: "

read n

a=0

b=1

echo "The Fibonacci series is: "

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

do

echo -n "$a "

fn=$((a + b))

a=$b

b=$fn

done

echo