Question 1: Write a shell script that prints "Hello, World!" to the terminal.

```
This message is shown once a day. To disable it please create the
/home/cdac/.hushlogin file.
cdac@DESKTOP-UQL4BJD:~$ nano ass.sh
cdac@DESKTOP-UQL4BJD:~$ bash ass.sh
hello world
cdac@DESKTOP-UQL4BJD:~$
```

Question 2: Declare a variable named "name" and assign the value "CDAC Mumbai" to it. Print the
value of the variable.

```
cdac@DESKTOP-UQL4BJD:~$ nano ass.sh
cdac@DESKTOP-UQL4BJD:~$ bash ass.sh
CDAC MUMBAI
cdac@DESKTOP-UQL4BJD:~$
```

Question 3: Write a shell script that takes a number as input from the user and prints

```
echo " enter a number"
read number
echo "entered number: $number"
```

Question 4: Write a shell script that performs addition of two numbers (e.g., 5 and 3) and prints the
result.

```
num1=5
num2=3
result=$((num1 + num2))
echo "result is: $result"
```

Question 5: Write a shell script that takes a number as input and prints "Even" if it is even, otherwise
prints "Odd".

```
read -p "enter no: " no
if [ $((no % 2)) -eq 0 ]: then
 echo "even"
else
 echo "odd"
fi
```

Question 6: Write a shell script that uses a for loop to print numbers from 1 to 5.

```
counter=1
while [ $counter -le 5 ]
do
 echo $counter
 counter=$((counter + 1))
done
```

Question 7: Write a shell script that uses a while loop to print numbers from 1 to 5.

```
counter=1
while [ $counter -le 5 ]
do
 echo $counter
 counter=$((counter + 1))
done
```

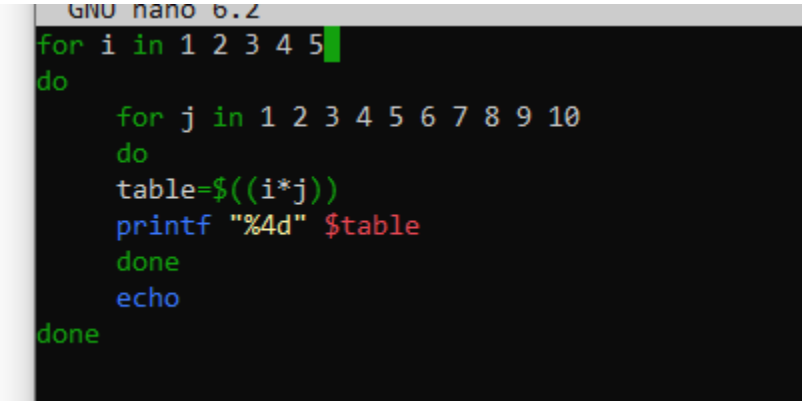
Question 8: Write a shell script that checks if a file named "file.txt" exists in the current directory. If it
does, print "File exists", otherwise, print "File does not exist".

```
  GNU nano 6.2
if [ -f "file.txt" ];
then
echo "file is present'
else
echo "file is not present"
fi
```

Question 9: Write a shell script that uses the if statement to check if a number is greater than 10 and prints a message accordingly.

```
  GNU nano 6.2
read -p "enter a number: " number
if [ "$number" -gt 10 ]; then
 echo "number is greater than 10"
else
 echo "number is not greater than 10"
fi
```

Question 10: Write a shell script that uses nested for loops to print a multiplication table for numbers
from 1 to 5. The output should be formatted nicely, with each row representing a number and each
column representing the multiplication result for that number.



Question 11: Write a shell script that uses a while loop to read numbers from the user until the user enters
a negative number. For each positive number entered, print its square. Use the break statement to exit the
loop when a negative number is entered.