Question 1: Write a shell script that prints "Hello, World!" to the terminal.
Ans=
#!bash/sh
echo "Hello, World!"
← >
Question 2: Declare a variable named "name" and assign the value "CDAC
Mumbai" to it. Print the value of the variable.
Ans =
#!/bash/sh
name="CDAC Mumbai"
echo \$name
←
Question 3: Write a shell script that takes a number as input from the user
and prints it.
Ans=
#!/bash/sh
read a
echo \$a
←
Question 4: Write a shell script that performs addition of two numbers (e.g.,
5 and 3 and prints the result.
Ans=
#!/bash/sh
read a

Part C

rea	d b
sum	n=\$((a+b))
ech	o \$sum
←	
Que	estion 5: Write a shell script that takes a number as input and prints
"Ev	en" if it is even, otherwise prints "Odd".
Ans	=
#!/k	pash/sh
rea	d a
if [[\$a %2 -eq 0]]
do	
ech	o "Even"
else	
ech	o "Odd"
fi	
←	-
Ques	stion 6: Write a shell script that uses a for loop to print numbers from 1
to 5.	
Ans	=>
#!/	bash/sh
for	i in 1 2 3 4 5
do	
ech	o \$i
don	e
←	→

Question 7: Write a shell script that uses a while loop to print numbers from
1 to 5.
Ans=
a=0
while [\$a-lt 5]
do
echo \$a
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
the current directory. If it does, print "File exists", otherwise, print "File does not exist".
not exist".
not exist". Ans=#used concept isf: It returns True if the file exists as a common (regular) file.
<pre>not exist". Ans=#used concept isf: It returns True if the file exists as a common (regular) file. #!/bash/sh</pre>
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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.

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.

```
Ans =
#!/bash/sh
for i in 1 2 3 4 5
do

for j in 1 2 3 4 5 6 7 8 9 10
do

echo "$i x $j = $ (( i*j )) "
done
echo "\n"
done
```

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←	 -
•	

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.