

1. Write a shell script to ask your name, and college name and print it on the screen.

```
(root ⊗ kali)-[~/college/network]

# vi ques1.sh

(root ⊗ kali)-[~/college/network]

# bash ques1.sh
enter your name
NIMISHA JAMES
enter college name
Amal Jyothi College of Engineering
```

```
Details you entered
NIMISHA JAMES
Amal Jyothi College of Engineering

[root  kali]-[~/college/network]
```

2.Write a shell script to set a value for a variable and display it on command line interface.

3. Write a shell script to perform addition, substation, multiplication, division with two numbers that is accepted from user.

```
(root © kali)-[~/college/network]
# bash ques3.sh
enter two numbers
100 500
addition 600
subraction -400
division 0
multiplication 50000

(root © kali)-[~/college/network]
```

4. Write a shell script to check the value of a given number and display whether the number is found or not.

```
echo "enter a number"
read a
if [[ $a -eq 10 ]]
f
                li)-[~/college/network]
    bash <u>ques4.sh</u>
enter a number
10
number found
```

5. Write a shell script to display current date, calendar

6. Write a shell script to check a number is even or odd

```
(root the kali)-[~/college/network]

# bash <u>ques6.sh</u>
enter a number

5
5 is odd
```

7. Write a shell script to check a number is greater than, less than or equal to another number.

```
(root@ kali)-[~/college/network]
pub bash ques7.sh
enter a number
100
number is grater than 10
```

8. Write a shell script to find the sum of first 10 numbers

9. Write a shell script to find the sum, the average and the product of the four integers entered.

```
#!/bin/bash
echo "enter four numbers";
read a b c d;
sum=$((a+b+c+d))
echo "sum is $sum";
avg=$((sum/4))
echo "average is $avg";
pro=$((a*b*c*d))
echo "product is $pro";
~
```

```
(root@ kali)-[~/college/network]
# bash ques9.sh
enter four numbers
2 4 5 12
sum is 23
average is 5
product is 480
```

10. Write a shell script to find the smallest of three numbers.

```
root tali)-[~/college/network]
# bash ques10.sh
enter three numbers
4 500 123
4 is smaller
```

11. Write a shell program to find factorial of given number.

```
#!/bin/bash
echo "enter a number";
read a;
fact=1;
while [ $a -ge 1 ]
do
fact=$((fact * $a))
a=$((a-1))
done
echo "factorial is $fact";
~
~
~
~
```

```
root ⊗ kali)-[~/college/network]

bash ques11.sh
enter a number

factorial is 24
```

12. Write a shell program to check a number is palindrome or not.

```
(root@ kali)-[~/college/network]
    bash ques12.sh
enter a number
6
6 is palindrome
```

13. Write a shell script to find the average of the numbers entered in command line.

```
root kali)-[~/college/network]

# bash ques13.sh
enter number of numbers
2
enter numbers
5
77
average is 41
```

14. Write a shell program to find the sum of all the digits in a number.

```
root  kali)-[~/college/network]
# bash ques14.sh
enter a number
167
sum of digits of 167 is 14
```

15. Write a shell Script to check whether given year is leap year or not.

```
root kali)-[~/college/network]

# bash ques15.sh
enter the year
2020
2020 is leap year

(root kali)-[~/college/network]
# bash ques15.sh
enter the year
2022
2022 is a normal year

(root kali)-[~/college/network]
```