Q) How to Create Shell Script in Linux/Unix?

b) Shell Script are Written usas the text editor.

* Steps to Create Shell Script

1) Create a file with a plain editor. Name Script file with extension

2) Start the Script with #!/bin/sh

3) Write some code

(4) Save the file using Cntrl+O

5) for executing the script file run firename sh

Ex = #!/bin/Sh

```
echo "what is your name?"
read me
echo "How do you do, $me?"
read Vername
echo "i am $Vername too!"
```

Q2) Write about the Control Statement in Linux.

* There are that of Conditional Statement Which Can be used in bash Programming.

(1) if Statement = if the extension is true it will print the statement.

Syn = if [expression]
then
Statement
fi

Ex = if [$a == $b]
then echo "a is equal to b" fi

(2) **If-else Statement:** If the expression is Not true then else part will be executed.

```
Syn = if (Expression)
      then
           Statement 1
      else
           Statement 2
      fi
```

Ex =
```
if [ a%2 == 0]
then
     echo "a is even"
else
     echo "a is odd"
fi
```

(3) **If... elif... else... fi Statement** (Elif is keyword) To handle multiple Condition in one If-else block, then elif keyword is used. It will execute but particular section. If any exp is true it will otherwise it will execute else section.

```
Syn = if (Expression 1)
      then
           Statement 1
           Statement 2
           :
      elif (Expression 2)
      then
           Statement 3
           Statement 4
           :
      else
           Statements
      fi
```

ex> If [a>b]

then

echo "$a is greater than $b"

elif [a < b]

then

echo "$a is less than $b"

else

echo "$ a is equal to $b"

fi

(4) __Switch__ Statement → Case statement worry as a Switch
Statement if specified value match
With pattern then it will execute a block of that
Particular pattern.

* A case will be terminate when the last
Commans get executed.

* if there is no match, the exit thing of
case in zero.

Syn = Case in

pattern 1) Statement 1;;

Patten 2) " 2;;

Pattern 3) Statement 3;;

Pattern 4) Statement 4;;

eNAC

Ex= Car = "bmw"

Case "$car" in

```
#Cax 1 "Mercedo") echo "Headquunth - Gernang";;
#Care2
    "Avi") echo " Headunthn - eshuh";;
#Cages
    "bruy") echo " Head tracur - India";;
erac
```

Q3) What are the loolino Statemne in Suell Scriting exiking?

A) There are total 3 looping Statement Which can be used in bash pugramming

(1) **While Statement's** in bash Commans in evaluated and bases on the result loop will exicules. If Vnut is fine loop will be terminated.

```
Sno While [ Condition]
    do
        Statemont 1
        Statement 2

    dne

cx= i=1
    While [$i - le 10]
    do
        echo $i
        i = 'exn $i +1'
    dne.
```

2) **Until loop :-** The until loop is useful when you need to execute a set of commands until a given condition is true.

```
syn→ until [ condition ]
     do
         Statement 1
         Statement 2
     done
```

```
ex=  i=1
     while [ !$i - lt 10 ]
     do
         echo $i
         i=  'expr $i +1'
     done
```

3) **for loop →** It in a bash Programming language Statement which allow code to be repeatedly executed.

```
Syn→ for [ Variable - name ] in ...
     do
         Statement 1
         Statement 2
         Statement 3
     done
```

```
Ex   for no in [ 1..10]
     do
         echo $no
     done
```