Q1. Shell Script to print number between 1 to 10 in character format using switch-case.

#!/bin/bash

echo "Enter a number between 1 and 10:"

read num

case $num in

1)

echo "One"

;;

2)

echo "Two"

;;

3)

echo "Three"

;;

4)

echo "Four"

;;

5)

echo "Five"

;;

6)

echo "Six"

;;

7)

echo "Seven"

;;

8)

echo "Eight"

;;

9)

echo "Nine"

;;

10)

echo "Ten"

;;

\*)

echo "Number out of range."

;;

Esac

Q2. Shell Script to accept id from user to confirm department using switch-case.

#!/bin/bash

echo "Enter your ID:"

read id

case $id in

1001)

echo "Your department is Sales."

;;

1002)

echo "Your department is Marketing."

;;

1003)

echo "Your department is HR."

;;

1004)

echo "Your department is IT."

;;

\*)

echo "Invalid ID. Department not found."

;;

esac

Q3. Shell Script to check password is correct or incorrect using switch-case.

echo "Enter pasword"

read pas

case $pas in

sharu123)

echo "Correct"

;;

\*)

echo “incorrect”

;;

Esac

Q4. Shell Script to print day of week using switch-case.

#!/bin/bash

echo "Enter a number between 1 and 7 to represent the day of the week:"

read day

case $day in

1)

echo "Sunday"

;;

2)

echo "Monday"

;;

3)

echo "Tuesday"

;;

4)

echo "Wednesday"

;;

5)

echo "Thursday"

;;

6)

echo "Friday"

;;

7)

echo "Saturday"

;;

\*)

echo "Invalid input. Please enter a number between 1 and 7."

;;

esac

Q5. Shell Script to create calculator using switch-case.

#!/bin/bash

echo "Simple Calculator"

echo "Enter first number:"

read num1

echo "Enter second number:"

read num2

echo "Select operation:"

echo "1. Addition"

echo "2. Subtraction"

echo "3. Multiplication"

echo "4. Division"

read choice

case $choice in

1)

result=$(echo "$num1 + $num2" | bc)

echo "Result: $result"

;;

2)

result=$(echo "$num1 - $num2" | bc)

echo "Result: $result"

;;

3)

result=$(echo "$num1 \* $num2" | bc)

echo "Result: $result"

;;

4)

if [ $num2 -eq 0 ]; then

echo "Error: Division by zero is not allowed."

else

result=$(echo "scale=2; $num1 / $num2" | bc)

echo "Result: $result"

fi

;;

\*)

echo "Invalid choice. Please select a number between 1 and 4."

;;

esac