1. Write a Shell Script to find maximum between two numbers.

#!/bin/bash

read -p "Enter first number-" n1

read -p "enter second number-" n2

if [ $n1 -gt $n2 ]

then

echo "$n1 is greatest number"

else

echo "$n2 is greatest number"

fi

o-

Enter first number-56

enter second number-34

56 is greatest number

1. Write a Shell Script to find maximum between three numbers.

#1/bin/bash

read -p "enter three numbers -" n1 n2 n3

if [ $n1 -gt $n2 ] && [ $n1 -gt $n3 ]

then

echo "$n1 is greatest number"

elif [ $n2 -gt $n1 ] && [ $n2 -gt $n3 ]

then

echo "$n2 is greatest number"

else

echo "$n3 is greatest number"

fi

o-

enter three numbers -2 4 6

6 is greatest number

1. Write a Shell Script to check whether a number is negative, positive or zero.

#!/bin/bash

read -p "Enter the number" n1

if [ $n1 -gt 0 ]

then

echo "$n1 is positive number"

elif [ $n1 -lt 0 ]

then

echo "$n1 is a negative number"

elif [ $n1 -eq 0 ]

then

echo "$n1 is zero"

else

echo "invaild"

fi

o-

Enter the number-4

-4 is a negative number

Enter the number0

0 is zero

1. Write a Shell Script to check whether a number is divisible by 5 and 11 or not.

#!/bin/bash

read -p "enter the number" num

if [ $((num % 5)) -eq 0 ] && [ $((num % 11)) -eq 0 ]

then

echo "$num is divisible by 5 and 11"

elif [ $((num % 5)) -eq 0 ]

then

echo "$num is divisible by 5"

elif [ $((num % 11)) -eq 0 ]

then

echo "$num is divisible by 11"

else

echo "$num is neither divisible by 5 nor 11"

fi

o-

enter the number55

55 is divisible by 5 and 11

enter the number22

22 is divisible by 11

1. Write a Shell Script to check whether a number is even or odd.

#!/bin/bash

read -p "enter the number" num

if [ $((num % 2)) -eq 0 ]

then

echo "$num is even"

elif [ $((num % 2)) -ne 0 ]

then

echo "$num is odd"

else

echo "invalid"

fi

o-

enter the number5

5 is odd

enter the number4

4 is even

1. Write a Shell Script to check whether a year is leap year or not.

#!/bin/bash

read -p "Enter the year" num

if [ $((num % 4)) -eq 0 ]

then

if [ $((num % 400)) -eq 0 ] && [ $((num % 100)) -eq 0 ]

then

echo "$num is leap year"

else

echo "$num is not a leap year"

fi

else

echo "$num is not a leap year"

fi

o-

Enter the year2001

2001 is not a leap year

Enter the year2001

2001 is not a leap year

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

#!/bin/bash

read -p "Enter a number between 1 to 10" num

case $num in

1)

echo "you have enter number one"

;;

2)

echo "you have enter number two"

;;

3)

echo "you have enter number three"

;;

4)

echo "you have enter number four"

;;

5)

echo "you have enter number five"

;;

6)

echo "you have enter number six"

;;

7)

echo "you have enter number seven"

;;

8)

echo "you have enter number eight"

;;

9)

echo "you have enter number nine"

;;

10)

echo "you have enter number ten"

;;

Esac

o-

Enter a number between 1 to 10-6

you have enter number six

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

#!/bin/bash

read -p "Enter the department id" id

case $id in

1001)

echo "your department is Computer science"

;;

1002)

echo "your department is Civil"

;;

1003)

echo "your department is mechanical"

;;

1004)

echo "your department is Chemical"

;;

1005)

echo "your department is production"

;;

1006)

echo "your department is electrical"

;;

Esac

o-

Enter the department id1002

your department is Civil

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

#!/bin/bash

cp="secret@123"

read -p "Enter password" up

case $up in

"$cp")

echo "correct password"

;;

\*)

echo "incorrect password"

;;

Esac

o-

Enter password-secret@123

correct password

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

#!/bin/bash

read -p "Enter week number" num

case $num in

1)

echo "today is monday"

;;

2)

echo "today is tuesday"

;;

3)

echo "today is wednesday"

;;

4)

echo "today is thrusday"

;;

5)

echo "today is friday"

;;

6)

echo "today is saturday"

;;

7)

echo "today is sunday"

;;

\*)

echo "invalid day"

;;

Esac

o-

Enter week number5

today is friday