**Practical 6**

1**) write a code for small astrology based on your life path number for that get date of birth from user then calculate life path number(use switch case)**

Ex:

date:23

calculation for life path number:

a=date%10

b=date/10

c=a+b

if life path number:

1) "Lucky";;

2) "Carefuly do your work";;

3) "stonger";;

4) "Happy";;

5) "Can get help";;

6) "Doubt";;

7) "sad";;

8) "Like";;

9) "Courage";;

**code:**

echo "Enter the birth\_date"

read date

a=$((date%10))

b=$((date/10))

c=$((a+b))

case "$c" in

1)echo "Lucky";;

2)echo "Carefuly do your work";;

3)echo "stonger";;

4)echo "Happy";;

5)echo "Can get help";;

6)echo "Doubt";;

7)echo "sad";;

8)echo "Like";;

9)echo "Courage";;

esac

**output:**

[2021ict109@fedora ~]$ chmod 777 astrology.sh

[2021ict109@fedora ~]$ ./astrology.sh

Enter the birth\_date

23

Can get help

2)**Give list of number then calculate the summation and multipilication using for loop**

Ex:

1 2 3 4 5

summation:15

multiplication :120

/\* **code:**

echo "Enter the number:"

read -a numbers

sum=0

mul=1

for number in "${numbers[@]}";

do

sum=$(($sum+number))

mul=$(($mul\*number))

done

echo "Summation:"$sum

echo "Multiplication:"$mul

\*/

echo "Enter the 5 number:"

numbers=()

sum=0

mul=1

for ((i=1;i<=5;i++))

do

read -p "Enter number $i:" num

numbers+=("$num")

sum=$(($sum+num))

mul=$(($mul\*num))

done

echo "Summation:"$sum

echo "Multiplication:"$mul

**output:**

[2021ict109@fedora ~]$ ./calculator.sh

Enter the 5 number:

Enter number 1:1

Enter number 2:2

Enter number 3:3

Enter number 4:4

Enter number 5:5

Summation:15

Multiplication:120

3) **print the integer from 1 to 10 using while loop**

**Code:**

i=1

while [ $i -le 11 ];

do

echo $i

i=$(($i+1))

done

**output:**

[2021ict109@fedora ~]$ ./calculator.sh

1

2

3

4

5

6

7

8

9

10

11

4)**pattern draw**

column=7 row=7

**1) output:**

**\***

**\* \***

**\* \* \***

**\* \* \* \***

**\* \* \* \* \***

**\* \* \* \* \* \***

**Code:**

read -p "Enter colum number:" x

read -p "Enetr row number:" y

for((i=1;i<=x;i++))

do

for((j=1;j<=i;j++))

do

echo -n "\*"

done

echo ""

done

**2) output**

[2021ict109@fedora ~]$ vi pattern.sh

[2021ict109@fedora ~]$ ./pattern.sh

Enter colum number:7

Enetr row number:7

**\*\*\*\*\*\***

**\*\*\*\*\***

**\*\*\*\***

**\*\*\***

**\*\***

**\***

**Code:**

read -p "Enter colum number:" x

read -p "Enetr row number:" y

for((i=1;i<=7;i++))

do

for((j=7;j>i;j--))

do

echo -n "\*"

done

echo ""

done

**3 )output:**

**1**

**22**

**333**

**4444**

**55555**

**666666**

for((i=1; i<=6; i++))

do

for((j=1; j<=i; j++))

do

echo -n i

done

echo ""

done

**4)output:**

**\***

**\* \***

**\* \* \***

**\* \* \* \***

**\* \* \* \* \***

**Code:**

for ((i=1; i<=$rows; i++))

do

for ((j=i; j<=$rows-1; j++))

do

echo -n " "

done

for ((k=1; k<=i; k++))

do

echo -n "\* "

done

echo

done