**ASSIGNMENT : 01**

**PROGRAMMING FUNDAMENTAL**

**SUBMITTED TO:AHMAD GHAZALI**

**SUBMITTED BY:FILZA ASGHAR**

**(BSEF20M017)**

**TASK: 01**

Start

Integers num1,num2,num3,largest,middle,smaller

Print”enter the value of integers:”

Input num1,num2,num3

If

{

(num1>num2 AND num1>num3)

Largest==num1

if

{

(num2>num3)

smaller==num3

Middle==num2

Else

Smaller==num2

Middle==num3

}

}

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Else if

{

(num2>num1 AND num2>num3)

Largest==num2

{

If (num1>num3)

Middle==num1

Smaller==num3

Else (num3>num1)

Middle==num3

Smaller==num1

}

}

Else

{ (num3>num1 AND num3>num2)

Largest==num3

If (num1>num2)

Middle==num1

Smaller==num2

Else (num2>num1)

Middle==num2

Smaller==num1

}

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Print”enter the values of integers:”

End

**TASK: 02**

Start

Integers firstTerm(a),commonDiffrence(d),numOfTerms(n)

Print”enter the values of a,d,n:”

Input a,d,n

T1==a

T2==a+(2-1)\*d

T3==a+(3-1)\*d

Tn==a+(n-1)\*d

Print”enter the first n terms of sequence:”

End

**TASK: 03**

Start

Integers n,m,num1,num2

Print”enter the values of n,m:”

Input n,m

n/m==num1

num2==num1+1

if

n-(m\*num1)>n-(m\*num2)

Print”closest integer is (m\*num2):”

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Else

Print”closest integer is (m\*num1)

End

**TASK: O4**

Start

Integer n,largest,secondLargest,num

Print”entet the value of n:”

Input n

While (n>=2)

{

Print”ERROR:input invalid”

Print”please enter another integer greater than equal to2:”

Input n

}

Largest==0

SecondLargest==0

Print”enter the value of num:”

While (n)

{

If (largest<num)

SecondLargest==largest

Largest==num

Else (secondLargest<num)

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secondLargest==num

n==n-1

}

End

**TASK: 05**

Start

Integer binaryNumber(N1),decimal,base,numN2

Print”enter the value of binaryNumber:”

Input N1

Decimal==0

Base==1

N2==N1

While (N2)

{

Last digit==N2%10

N2==N2/10

Decimal==decimal+last digit+base

Base==base\*2

}

Print”enter the decimalNum:”

End

**TASK: 06**

Start

Integer num,a1,reverse

Print”enter the value of num:”

Input num

Reverse(a2)==0

While (num==5)

{

Print”ERROR:input invalid”

Print”enter a 5 digit integer:”

Input num

}

While(num>0)

{ a1==num%10

a2==a2\*10+a1

num==num/10

}

If (a2==num)

Print “palindrome”

Else

Print”not palindrome”

End

**TASK: 07**

Start

Integer num1

Print”enter a base 7 digit”

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Input num1

While(num>0 OR num>6)

{

Print”ERROR invalid input’

Print”enter a num between 0 to 6:”

Input num