**COMSATS University Islamabad,**

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**Programming Fundamentals**

**LAB TASK 02**

**Exercise 5: Print the following series using for loop**

* 1. Print numbers from 1 to 100 with increment of 1
  2. Print numbers from 100 to 1 with decrement of 1
  3. Print numbers from 20 to 2 in steps of -2
  4. Print sequence of numbers: 2, 5, 8, 11, 14, 17, 20
  5. Print sequence of numbers: 99, 88, 77, 66, 55, 44, 33, 22, 11, 0

**Pseudo Code:**

1. Start
2. Take five variables a, b, c, d and e.
3. For a=1, a<=100, a+1
4. Print “a”.
5. For b=100, b>=1, b-1
6. Print “b”.
7. For c=20, c>=2, c-2
8. Print “c”.
9. For d=2, d<=20, d+3
10. Print “d”.
11. For e=99, e>=0, e-11
12. Print “e”.
13. Stop

**C Code:**

#include <stdio.h>

#include <stdlib.h>

/\* This program is prepared by Syed Asad Jamil. Reg no. SP22-BSE-123. Section: B on 27/03/2022

(This Program print the series of number according to given condition). \*/

int main()

{

int a,b,c,d,e;

//Print numbers from 1 to 100 with increment of 1

for(a=1; a<=100; a++)

printf("%d\t",a);

{

printf("\n\n");

}

//Print numbers from 100 to 1 with decrement of 1

for(b=100; b>=1; b--)

printf("%d\t",b);

{

printf("\n\n");

}

//Print numbers from 20 to 2 in steps of -2

for(c=20; c>=2; c-=2)

printf("%d\t",c);

{

printf("\n\n");

}

//Print sequence of numbers: 2, 5, 8, 11, 14, 17, 20

for(d=2; d<=20; d+=3)

printf("%d\t",d);

{

printf("\n\n");

}

//Print sequence of numbers: 99,88,77,66,55,44,33,22,11,0

for(e=99; e>=0; e-=11)

printf("%d\t",e);

printf("\n\n");

return 0;

}

**Output:**

**Table

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