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| --- | --- |
| **SLO No** | 10.1.6 |
| **SLOs Mapped** | 8.3.2, 9.1.1,9.1.2,9.1.3,9.1.5,9.2.2,9.2.3,9.2.4, 9.2.5, 9.2.6, 10.1.6 |
| **Practical Activity** | To count multiple of a given number lying between two numbers |
| **Equipment** | Computer |
| **Software** | Dev C++ |
| **Software** | Dev C++ |

**Practical No 12:**

Topic 10: Control Structure in C

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| **Objective:** |
| Students will be able to   * write C programs for the problem involving the use of if-else statement to loop the coding and count multiples of a numbers in a defined range   Note: You can use any compiler for program execution. |

**Fill the sections below as evidence of the practical activity**

|  |  |
| --- | --- |
| **Algorithm** | **Flowchart** |
| Step 1: Start  Step 2: Input n1, n2, m  Step 3: c=0  Step 4: If n1%m==0 then c=c+1  Step 5: n1=n1+1  Step 6: If n1<=n2 then go to step 4  Step 7: Print c  Step 8: Stop |  |
| **Program Coding** | |
| #include<stdio.h>  int main()  {  int n1, n2,m, c=0;  printf("Enter the number you want multiple of: ");  scanf("%d", &m);  printf("Starting range: ");  scanf("%d", &n1);  printf("Ending Range: ");  scanf("%d", &n2);  loop:  if(n1%m ==0)  c++;  n1++;  if(n1 <= n2)  goto loop;  printf("Count = %d" , c);  return 0;  } | |
| **Program Output** | |
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