|  |  |
| --- | --- |
| **SLO No** | 9.2.2 |
| **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 |
| **Practical Activity** | To find the sum, product, and average of five given numbers |
| **Equipment** | Computer |
| **Software** | Dev C++ |

**Practical No :8**

Topic 9: Fundamental of input and output data handling in C

|  |
| --- |
| **Objective:** |
| Students will be able to   * use the arithmetic operators and input output data handling in C language to solve the given arithmetic problem.   Note: You can use any compiler for program execution. |

|  |  |  |
| --- | --- | --- |
| **Sample Input** | **Process** | **Sample Output** |
| A = 5  B = 9  C = 8  D = 2  E = 3 | SUM = A + B + C + D + E  PRODUCT = A \* B \* C \* D \* E  AVG = SUM / 5 | Sum = 27  Product = 2160  Average = 5.4 |

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

|  |  |
| --- | --- |
| **Algorithm** | **Flowchart** |
| Step 1:Start  Step 2:Input A,B,C,D,E  Step 3:Sum = A + B + C + D + E  Step 4:Product = A\*B\*C\*D\*E  Step5:Avg = Sum / 5  Step 6:Print Sum,Product,Avg  Step 7:Stop |  |

|  |
| --- |
| **Program Coding** |
| #include <stdio.h>  int main()  {  int A, B, C, D, E,Product,Sum,Avg;  printf("Enter five numbers:\n");  scanf("%d %d %d %d %d", &A, &B, &C, &D, &E);  Sum = A + B + C + D + E;  Product = A\*B\*C\*D\*E;  Avg = Sum / 5;  printf("Sum= %d\n", Sum);  printf("Product= %d\n", Product);  printf("Avg= %d\n", Avg);  return 0;  } |
| **Program Output** |
|  |