

LAB: 12

Q.1 Write a program to pass an array of numbers to a function and calculate its sum of all elements

Program

```
1 // Write a program to pass an array of numbers to a function and calculate its sum
2 #include<stdio.h>
3 float calculatesum(float num[]);
4 int main()
5 {
6     float result, num[]={23.4, 55,22.6, 3, 40.5, 18};
7     //num array is passed to calculate sum()
8     result = calculatesum(num);
9     printf("Result = %f", result);
10 }
11 float calculatesum(float num[])
12 {
13     float sum = 0.0;
14     for (int i = 0 ; i < 6; ++i){
15         sum +=num[i];
16     }
17     return sum;
18 }
```

Output

```
Result = 162.500000
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Process exited after 0.01776 seconds with return value 0
Press any key to continue . . .
```