Lab 33

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#include <stdio.h>

void inputArr(float arr[10]);
void plusArray(float first[10], float second[10]);
void printResult(float sumArr[10]);
float first1D[10], second1D[10], third1D[10];
int i, size = 10, count = 0;

main()
{
   int run;
   char finish = 'y';

   while (finish == 'y')
   {
      run = 0;
      for (i = 0; i < size; i++)
                  {
                           first1D[i] = 0;
                     second1D[i] = 0;
                     third1D[i] = 0;
          }
      printf("Enter number in first array (10 number)\n");
      inputArr(first1D);
      printf("Enter number in second array (10 number)\n");
      inputArr(second1D);
      plusArray(first1D, second1D);
      printResult(third1D);
      while (run == 0)
      {
         printf("\n\nContinue Program ? (y/N) : ");
         scanf(" %c", &finish);
         if (finish == 'y' || finish == 'N')
         {
            run = 1;
            count = 0;
         }
         else
         {
            printf("Enter only \" y \" or \"N\"");
         }
      }
```

```
43          if (finish == 'N')
44          {
45              printf("\"End Program\"");
46          }
47      }
48  }
49  void inputArr(float arr[10])
50  {
51      for (i = 0; i < size; i++)
52      {
53          if (count == 0)
54          {
55              printf("FirstArr[%d] : ", i);
56          }
57          else
58          {
59              printf("SecondArr[%d] : ", i);
60          }
61          scanf("%f", &arr[i]);
62      }
63      count++;
64  };
65  void plusArray(float firstArr[10], float secondArr[10])
66  {
67      for (i = 0; i < size; i++)
68      {
69          third1D[i] = firstArr[i] + secondArr[i];
70      }
71  }
72  void printResult(float sumArr[10])
73  {
74      printf("\nSum Array Result is : ");
75      for (i = 0; i < size; i++)
76      {
77          printf("\nThird[%d] : %.2f ", i, sumArr[i]);
78      }
79  }
```