

Institute of Technology of Cambodia



Department of Information and Communication Engineering (GIC)

Assignment6 Lab05-Work with Loop (part II)

Lecturer : Bou Channa
Subject : Algorithms and Programming (TP)

Student : Heang Sopagna
ID : e20180259
Group : GIC-A

2020~2021

```
52. C programming-Lab06- Work with Array.c X 53. C programming-Lab06- Work with Array.c X 54. C programming-Lab06- Work with Array.c X

1 #include<stdio.h>
2 main() {
3     int num[10],k;
4
5     for(k=1;k<=10;k++) {
6         printf("Enter a number: ");
7         scanf("%d",&num[k]);
8     }
9     for(k=1;k<=10;k++) {
10        printf("%d ",num[k]);
11    }
12 }
13
```

```
"D:\school\Year3\2. Algorithm & Programming (S1)\TP\52. C programming-Lab06- Work with Array.c"
Enter a number: 10
Enter a number: 24
Enter a number: 32
Enter a number: -3
Enter a number: 44
Enter a number: 7
Enter a number: 53
Enter a number: 1
Enter a number: 63
Enter a number: 41
10 24 32 -3 44 7 53 1 63 41
Process returned 0 (0x0)   execution time : 45.427 s
Press any key to continue.
```

```
52. C programming-Lab06- Work with Array.c X 53. C programming-Lab06- Work with Array.c X 54. C programming-Lab06- Work with Array.c X

1 #include<stdio.h>
2 main() {
3     int i,a1[7],a2[7];
4
5     for(i=0;i<7;i++) {
6         printf("Enter the number: ");
7         scanf("%d",&a1[i]);
8         a2[i]=a1[i];
9     }
10    printf("The number in a2 is ");
11
12    for(i=6;i>=0;i--) {
13        printf("%d ",a2[i]);
14    }
15 }
16
```

```
"D:\school\Year3\2. Algorithm & Programming (S1)\TP\53. C programming-Lab06- Work with Array.c"
Enter the number: 42
Enter the number: 51
Enter the number: 33
Enter the number: 10
Enter the number: -3
Enter the number: 72
Enter the number: 13
The number in a2 is 13 72 -3 10 33 51 42
Process returned 0 (0x0)   execution time : 24.623 s
Press any key to continue.
```

```
52. C programming-Lab06- Work with Array.c X 53. C programming-Lab06- Work with Array.c X 54. C programming-Lab06- Work with Array.c X

1 #include<stdio.h>
2 main() {
3     int num[5],k,sum=0;
4     float average;
5
6     for(k=1;k<=5;k++) {
7         printf("Enter a number: ");
8         scanf("%d",&num[k]);
9         sum=sum+num[k];
10    }
11    average=sum/5.0;
12    printf("The sum of Enter number is %d and average equal to %.2f.",sum,average);
13 }
14
```

```
"D:\school\Year3\2. Algorithm & Programming (S1)\TP\54. C programming-Lab06- Work with Array.c"
Enter a number: 53
Enter a number: 22
Enter a number: 19
Enter a number: -11
Enter a number: 47
The sum of Enter number is 130 and average equal to 26.00
Process returned 0 (0x0)   execution time : 36.707 s
Press any key to continue.
```

```
53. C programming-Lab06- Work with Array.c X 54. C programming-Lab06- Work with Array.c X 55. C programming-Lab06- Work with Array.c X
```

```
1  #include<stdio.h>
2  main() {
3      int k;
4      char name[5][15],tel[5][10],email[5][100];
5      float score[5];
6
7      for(k=0;k<5;k++){
8          printf("Enter your name: ");
9          scanf("%s",&name[k]);
10         printf("Enter your score: ");
11         scanf("%f",&score[k]);
12         printf("Enter your email: ");
13         scanf("%s",&email[k]);
14         printf("Enter your phone number: ");
15         scanf("%s",&tel[k]);
16         printf("\n");
17     }
18     for(k=0;k<5;k++){
19         printf("\tThe info of student%d",k+1);
20         printf("\nName: %s",name[k]);
21         printf("\nScore: %.2f",score[k]);
22         printf("\nPhone number: %s",tel[k]);
23         printf("\nEmail: %s",email[k]);
24         printf("\n\n");
25     }
26 }
27
```

```
"D:\school\Year3\2. Algorithm & Programming (S1)\TP\55.
The info of student1
Name: a
Score: 77.00
Phone number: 098765432
Email: a@gmail.com

The info of student2
Name: b
Score: 82.00
Phone number: 088123456
Email: b@yahoo.com

The info of student3
Name: c
Score: 69.00
Phone number: 012123123
Email: c@gmail.com

The info of student4
Name: d
Score: 86.00
Phone number: 071112233
Email: d@gmail.com

The info of student5
Name: e
Score: 90.00
Phone number: 09611112233
Email: e@gmail.com
```

```
Start here X 52. C programming-Lab06- Work with Array.c X 53. C programming-Lab06- Work with Array.c X 56. C programming-Lab06- Work with Array.c X
```

```
1  #include<stdio.h>
2  main() {
3      int k,sum=0;
4      char name[5][15],tel[5][10],email[5][100];
5      float score[5],average;
6
7      for(k=0;k<5;k++){
8          printf("Enter your name: ");
9          scanf("%s",&name[k]);
10         printf("Enter your score: ");
11         scanf("%f",&score[k]);
12         sum=sum+score[k];
13         printf("Enter your email: ");
14         scanf("%s",&email[k]);
15         printf("Enter your phone number: ");
16         scanf("%s",&tel[k]);
17         printf("\n");
18     }
19     average=sum/5.0;
20     for(k=0;k<5;k++){
21         if(score[k]>average){
22             printf("\tThe info of student%d",k+1);
23             printf("\nName: %s",name[k]);
24             printf("\nScore: %.2f",score[k]);
25             printf("\nPhone number: %s",tel[k]);
26             printf("\nEmail: %s",email[k]);
27             printf("\n\n");
28         }
29     }
30 }
31
```

```
"D:\school\Year3\2. Algorithm & Programming (S1)\TP\56. C program
Enter your email: b@gmail.com
Enter your phone number: 012123123

Enter your name: c
Enter your score: 70
Enter your email: c@gmail.com
Enter your phone number: 016323232

Enter your name: d
Enter your score: 77
Enter your email: d@gmail.com
Enter your phone number: 088098098

Enter your name: e
Enter your score: 68
Enter your email: e@gmail.com
Enter your phone number: 011321212

The info of student1
Name: a
Score: 90.00
Phone number: 099888899
Email: a@gmail.com

The info of student2
Name: b
Score: 82.00
Phone number: 012123123
Email: b@gmail.com
```