

Lab 20

```
1  #include <stdio.h>
2  main()
3  {
4      char first, second, third, fourth, fifth, blank;
5      int work = 0;
6      char con = 'y';
7
8      while (con == 'y')
9      {
10         first = '0';
11         second = '0';
12         third = '0';
13         fourth = '0';
14         fifth = '0';
15
16         printf("Enter First Word : ");
17         scanf(" %c", &first);
18         if (first < 'A')
19         {
20             printf("\nEnter only character\n\n");
21         }
22
23         if (first >= 'A')
24         {
25             while (second < 'A')
26             {
27                 printf("Enter Second Word : ");
28                 scanf(" %c", &second);
```

```
29         if (second < 'A')
30         {
31             printf("\nEnter only character\n\n");
32         }
33     }
34
35     while (third < 'A')
36     {
37         printf("Enter Third Word : ");
38         scanf(" %c", &third);
39         if (third < 'A')
40         {
41             printf("\nEnter only character\n\n");
42         }
43     }
44
45     while (fourth < 'A')
46     {
47         printf("Enter Fourth Word : ");
48         scanf(" %c", &fourth);
49         if (fourth < 'A')
50         {
51             printf("\nEnter only character\n\n");
52         }
53     }
54
55     while (fifth < 'A')
56     {
57         printf("Enter Fifth Word : ");
58         scanf(" %c", &fifth);
```

```
59         if (fifth < 'A')
60         {
61             printf("\nEnter only character\n");
62         }
63     }
64
65     if (first > second)
66     {
67         blank = second;
68         second = first;
69         first = blank;
70     }
71     if (second > third)
72     {
73         blank = second;
74         second = third;
75         third = blank;
76     }
77     if (third > fourth)
78     {
79         blank = third;
80         third = fourth;
81         fourth = blank;
82     }
83     if (fourth > fifth)
84     {
85         blank = fourth;
86         fourth = fifth;
87         fifth = blank;
88     }
```

```
89
90     printf("\n\n \"result : %c %c %c %c %c\"", first, second, third, fourth, fifth);
91     printf("\n");
92     work = 1;
93 }
94 while (work == 1)
95 {
96     printf("\n\nContinue Program ? (y/N): ");
97     scanf(" %c", &con);
98     if (con == 'y' || con == 'N')
99     {
100         work = 0;
101     }
102     else
103     {
104         printf("\nEnter 'y' or 'N' only\n");
105         work = 1;
106     }
107 }
108
109 if (con == 'N')
110 {
111     printf("\n\nEnd Program\n\n\n");
112     break;
113 }
114 printf("\n");
115 }
116 }
```