# ASSIGNMENT DAY 03

```c
 8 *****************************************
 9 #include <stdio.h>
10
11 int main()
12 {
13     int a=42;
14     printf("a=%d",a);
15
16
17     return 0;
18 }
19
```

input

```
a=42
```

```c
 8
 9  #include <stdio.h>
10
11  int main()
12  {
13      int a=1;
14      int b=2;
15      printf("a=%d\n",a);
16      printf("b=%d\n",b);
17      a=a+b;
18      b=a-b;
19      a=a-b;
20      printf("a=%d\n",a);
21      printf("b=%d",b);
22
23
24
25      return 0;
26  }
27
```

```
a=1
b=2
a=2
b=1
```

```c
29  #include <stdio.h>
30  int main()
31  {
32      char name;
33      int age;
34      printf("Enter the name:");
35      scanf("%s",&name);
36      printf("Enter the age:");
37      scanf("%d",&age);
38      printf("Welcome %c with age=%d",name,age);
39      return 0;
40  }
41
42
43
```

input

```
Enter the name:yedhu
Enter the age:22
Welcome y with age=22
```

```c
43  #include <stdio.h>
44  int main()
45  {
46      int a;
47      float b;
48      a=10;
49      printf("a=%d",a);
50      b=(float)a;
51      printf("b=%f",b);
52      return 0;
53  }
54
55
```

```
a=10b=10.000000
```

```c
56  #include <stdio.h>
57  int main()
58  #define pi 3.14
59 ▾ {
60    float rad;
61    float area;
62    rad=3;
63    area=pi*(rad*rad);
64    printf("area=%f",area);
65    return 0;
66  }
67
68
```

```
area=28.260000
```

```c
68  #include <stdio.h>
69  int main()
70 ▾ {
71      int a;
72      a=1;
73      printf("%d\n",a+=1);
74      printf("%d\n",a-=1);
75      printf("%d\n",a*=2);
76      printf("%d\n",a/=2);
77      return 0;
78  }
79
```

```
2
1
2
1
```

```c
8
9   #include <stdio.h>
10
11  int main()
12  {
13      int a;
14      printf("Enter value:");
15      scanf("%d",&a);
16      if(a&1)
17      {
18          printf("The no. is odd");
19      }
20      else
21      {
22          printf("Even");
23      }
24
25      return 0;
26  }
27
```

```
Enter value:3
The no. is odd

...Program finished with exit code 0
Press ENTER to exit console.
```

```c
8   *******************************************************************
9   #include <stdio.h>
10  #include <string.h>
11
12  int main()
13  {
14      char us_name[30];
15      char pswd[30];
16      printf("username:");
17      fgets(us_name,sizeof(us_name),stdin);
18      printf("Password:");
19      fgets(pswd,sizeof(pswd),stdin);
20      if(us_name[0]=='\0')
21      {
22          printf("cannot be empty");
23
24      }
25      else if(pswd[0]=='\0')
26      {
27          printf("password cannot be empty");
28
29      }
30      else if(strcmp(us_name,"quest")!=0 || strcmp(pswd,"12345")!=0)
31      {
32          printf("Incorrect password or username");
33      }
34      else
35      {
36          printf("Welcome %s\n",us_name);
37      }
38
39
40      return 0;
41  }
```