Ex_1.c

```c
/*
 * Ex_1.c
 *
 *  Created on: Jul 31, 2021
 *      Author: Sarah
 */

#include <stdio.h>

int main(){
    printf("C Programming\n");
    return 0;
}
```

Console — `<terminated> (exit value: 0) Ex_1.exe [C/C++ Application]`

```
C Programming
```

Ex_1.c   Ex_2.c

```c
/*
 * Ex_2.c
 *
 *  Created on: Jul 31, 2021
 *      Author: Sarah
 */

#include <stdio.h>

int main(){
    int input;
    printf("Enter an Integer: ");
    fflush(stdout);
    fflush(stdin);
    scanf("%d", &input);
    printf("You entered: %d", input);
    return 0;
}
```

Console — `<terminated> (exit value: 0) Ex_2.exe [C/C++ Application]`

```
Enter an Integer: 10
You entered: 10
```

Ex_3.c

```c
/*
 * Ex_3.c
 *
 *  Created on: Jul 31, 2021
 *      Author: Sarah
 */

#include <stdio.h>

int main(){
    int x, y;
    printf("Enter two Integers: ");
    fflush(stdout);
    fflush(stdin);
    scanf("%d %d", &x, &y);
    printf("Sum: %d", x + y);
    return 0;
}
```

Console — `<terminated> (exit value: 0) Ex_3.exe [C/C++ Application]`

```
Enter two Integers: 20 4
Sum: 24
```

Ex_4.c

```c
1 /*
2  * Ex_4.c
3  *
4  *  Created on: Jul 31, 2021
5  *      Author: Sarah
6  */
7
8
9 #include <stdio.h>
10
11 int main(){
12     float x, y;
13     printf("Enter two Integers: ");
14     fflush(stdout);
15     fflush(stdin);
16     scanf("%f %f", &x, &y);
17     printf("Product: %f", x * y);
18     return 0;
19 }
20
```

Console

```
Enter two Integers: 5 4
Product: 20.000000
```

Ex_5.c

```c
1 /*
2  * Ex_5.c
3  *
4  *  Created on: Jul 31, 2021
5  *      Author: Sarah
6  */
7
8
9 #include <stdio.h>
10
11 int main(){
12     char x;
13     printf("Enter a character: ");
14     fflush(stdout);
15     fflush(stdin);
16     scanf("%c", &x);
17     printf("ASCII value of %c = %d", x, x);
18     return 0;
19 }
20
```

Console

```
Enter a character: f
ASCII value of f = 102
```

Ex_6.c

```c
1  /*
2   * Ex_6.c
3   *
4   *  Created on: Jul 31, 2021
5   *      Author: Sarah
6   */
7
8
9  #include <stdio.h>
10
11 int main(){
12     float a, b, temp;
13     printf("Enter value of a: ");
14     fflush(stdout);
15     fflush(stdin);
16     scanf("%f", &a);
17     printf("Enter value of b: ");
18     fflush(stdout);
19     fflush(stdin);
20     scanf("%f", &b);
21     temp = a;
22     a = b;
23     b = temp;
24     printf("After swapping, value of a = %f\n", a);
25     printf("After swapping, value of b = %f", b);
26     return 0;
27 }
28
```

Console

```
<terminated> (exit value: 0) Ex_6.exe [C/C++ Application]
Enter value of a: 4
Enter value of b: 9.1
After swapping, value of a = 9.100000
After swapping, value of b = 4.000000
```

Ex_7.c

```c
1  /*
2   * Ex_7.c
3   *
4   *  Created on: Jul 31, 2021
5   *      Author: Sarah
6   */
7
8
9  #include <stdio.h>
10
11 int main(){
12     int a, b;
13     printf("Enter value of a: ");
14     fflush(stdout);
15     fflush(stdin);
16     scanf("%d", &a);
17     printf("Enter value of b: ");
18     fflush(stdout);
19     fflush(stdin);
20     scanf("%d", &b);
21     a = a ^ b;
22     b = a ^ b;
23     a = a ^ b;
24     printf("After swapping, value of a = %d\n", a);
25     printf("After swapping, value of b = %d", b);
26     return 0;
27 }
28
```

Console

```
<terminated> (exit value: 0) Ex_7.exe [C/C++ Application]
Enter value of a: 6
Enter value of b: 8
After swapping, value of a = 8
After swapping, value of b = 6
```