1. Write a program that reads two integer numbers then prints the sum of the entered numbers and the multiplication of the numbers to screen.

2. Body mass index (BMI) is an indirect measure of a person's body fat. In SI units (metric system) BMI is defined as the weight in kilograms divided by height in meters squared

   \[ BMI = \frac{\text{weight (kg)}}{[\text{height (m)}]^2}. \]

   For adults, an ideal BMI is between 18.5 and 24.9. A person with a BMI over 24.9 is considered overweight. A person with a BMI under 18.5 is considered underweight.

   Write a complete C program that reads the weight of a person from standard input (keyboard) and height of a person then prints the BMI to standard output (screen).

   \textit{Hint: You should define your variables for weight, height, and BMI as float numbers, because a person's weight could be numbers like 74.5-kg.}

   \textit{Note: Try use necessary prompts and descriptive information while reading and printing in the programs that you write (like Enter .... ).}

3. Which of the following is not a valid escape sequence?
   (a) \n
   (b) \\

   (c) \~

   (d) "

4. The \__________ sign is also known as the \__________ operator.
   (a) +, assignment
   (b) =, assignment
   (c) *, stream manipulator
   (d) &, stream insertion

5. The address operator is
   (a) &&
   (b) %
   (c) @
   (d) &
6. Write the following C programs in C editor and examine/test their outputs for your benefit.

(Note: You may enter random numbers as input just to test and see how they work).

   a)
   ```c
   #include<stdio.h>
   #include<conio.h>
   int main(void)
   {
     printf("Welcome to "C" Programming! COME 103\n");
     printf("Welcome to "C" Programming!", "COME", 207);
     printf("a"); /*Note that %s is the place holder for a string – like word or sentence*/
     return 0;
   }
   ```

   b)
   ```c
   #include<stdio.h>
   #include<conio.h>
   int main()
   {
     int a, b, z;
     printf("Enter two number:");      
     scanf("%d%d", &a, &b);
     z = 2*a+3*5;
     printf("Result is:%d\n", z);
     getch();  return 0;
   }
   ```

   c)
   ```c
   #include<stdio.h>
   #include<conio.h>
   int main()
   {
     int n1, n2, n3, n4, n5, average;
     printf("Enter five number:");      
     scanf("%d%d%d%d%d", &n1, &n2, &n3, &n4, &n5);  
     average = (n1+n2+n3+n4+n5) / 5;
     printf("Average of these numbers is is:%d\n", average);
     getch();  return 0;  
   }
   ```
### d)
```c
#include<stdio.h>
#include<conio.h>
int main(void)
{
    int n1, n2, n3, n4, n5;
    float average;
    printf("Enter five number: ");
    scanf("%d%d%d%d%d", &n1, &n2, &n3, &n4, &n5);
    average = (n1+n2+n3+n4+n5) / 5;
    printf("Average of these numbers is is:%f\n", average);  //X.000000
    getch();
    return 0;
}
```

### e)
```c
#include<stdio.h>
#include<conio.h>
int main()
{
    int n1, n2, n3, n4, n5;
    float average;
    printf("Enter five number: ");
    scanf("%d%d%d%d%d", &n1, &n2, &n3, &n4, &n5);
    average = (n1+n2+n3+n4+n5) / 5.0;
    printf("Average of these numbers is is:%f\n", average);  //X.000000
    printf("Average of these numbers is is:%.2f\n", average);     // Printing after rounding as X.XX
    getch();
    return 0;
}
```