1- Name the four most common types of C language and their size in bytes.
2- Name the "int" Size Specifiers and their size in bytes.
3- What is the name of largest floating-point type and what is its size in bytes?
4- Write a C statement; declare an integer variable called "age" and initialize it to 24;
5- Write a C statement; declare a character variable called "letter" and initialize it to the character **B**;
6- Write ONE C statement and declare two constant double variables called PI and G. Initialize PI to 3.14159265 and G to 9.8.
7- What is the name of the escape sequence "\n";
8- What is the name of the escape sequence "\a";
9- What is the name of the escape sequence "\t";
10- write a function-call to read an integer number from keyboard and place it in a variable called "num";
11- write a function-call to print the value of a double variable called "balance".
12- Complete the following program to calculate the area of a rectangle by multiplying its width to its height:

```c
#include <stdio.h>
int main(void)
{
  double area, width, height;
  // Print program title
  printf("Rectangle Area Calculator\n");
  // prompt the user to enter the height


  // read the height value and put it in the height variable


  // prompt the user to enter the width


  // read the width value and put it in the width variable


  // calculate the area and store it in the area variable


  // print the area value


  return 0;
}
```

13- There are five arithmetic binary operations for integers and four binary operators for doubles. Which one of the integer operations cannot be done with double? Explain how it works with integers.

14- List all six relational operations.

15- Considering the following variable declarations:

    `int a = 10, b = 20, c;`

    And this expression:

    `c = b < a;`

    What is the output of this printf statement:

    `printf("%d", c);`

16- What are the values of **A** and **B** after these statements:

    int A, B = 10;

    A = B++;

17- In one sentence explain what is "casting" in C language.