Type casting and Conversions Assignment

1. Refer the code snippet below perform the operations marked in TBD section, display the results using appropriate format specifier, display results.

```
#include <stdbool.h>

int main()
{
    int i = 123;
    short s = 98;
    bool b = true;
    char c = 'Y';
    float d = 235.789;
    //TBD - perform operations below and display result using
    appropriate format specifier

     b+c
     s * i
     c * d
     c = c+b
     d = d+c

     b = -d

    return 0;
}
```

Answer:

#include <stdio.h>

#include <stdbool.h>

int main()

{

int i = 123;

short s = 98;

bool b = true;

char c = 'Y';

float d = 235.789;

printf("integer: %d \t short: %hd \t bool: %d \t char: %c \t float: %.3f: ", i, s, b, c, d);

//b = b+c;

printf("\n b+c= %d",b+c);

printf("\ns*i= %d",(int)s * i);

printf("\nc*d= %.3f",(int)c * d);

```c
c = c+b;

printf("\n c = %c",c);

d = d+c;

printf("\n d = %.3f",d);

b = -d;

b= (bool) -d;

printf("\n b= %d",b);

return 0;

}
```

OUTPUT:

b+c=Z

s * i =12054

c *d =20985.22

c = c+b =Z

d = d+c =324.79

b = -d = -234.79