# 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+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;

}