1. What is the output of the following codes:
2. if the user enters **2**

#include<stdio.h>

// function prototype, also called function declaration

float square ( float x ) ;

// main function, program starts from here

int main( )

{

float m, n ;

printf ( "\nEnter some number for finding square \n");

scanf ( "%f", &m ) ;

// function call

n = square ( m ) ;

printf ( "\nSquare of the given number %f is %f",m,n );

}

float square ( float x ) // function definition

{

float p ;

p = x \* x ;

return ( p ) ;

}

#include<stdio.h>

// function prototype, also called function declaration

void swap(int a, int b);

// main function, program starts from here

int main()

{

int m = 22, n = 44;

// calling swap function by value

printf(" values before swap m = %d \nand n = %d", m, n);

swap(m,n);

}

void swap(int a, int b)

{

int tmp;

tmp = a;

a = b;

b = tmp;

printf(" \nvalues after swap m = %d\n and n = %d", a, b);

}

1. Write a C program to ask the user to enter three numbers then calculate the average of them by calling a function called average that accepts three integer parameters and returns their average as a floating point value.