1. What is the output of the following C code fragment?

int age = 45;

int income = 37000;

if(age > 50)

 if(income > 30000)

 printf("Platinum member A");

 else

 printf("Gold member A");

else

 if(age > 40)

 if(income > 40000)

 printf("Platinum member B");

 else

 if(income > 30000)

 printf("Gold member B");

 else

 printf("Silver member B");

 else

 if(age > 30)

 if(income > 50000)

 printf("Platinum member C");

 else

 if(income > 40000)

 printf("Gold member C");

 else

 if(income > 30000)

 printf("Silver member C");

 else

 printf("Ordinary member C");

 else

 printf("Ordinary member D");

1. Rewrite the following C code (if-else statements) using switch statement.

int x = 3;

if(x == 1)

 printf("x equals 1");

else

 if(x == 2)

 printf("x equals 2");

 else

 if(x == 3)

 printf("x equals 3");

 else

 printf("No idea what x is");

1. Write a C program to ask the user to enter two numbers, and to decide what to do with them; ask him to enter 1 for adding, 2 for subtraction, 3 for multiply and 4 for division (in case of division make sure the second number is not 0)