

1.

```
#include <stdio.h>
#include <stdlib.h>

int main()
{
    int num1, num2;
    printf("input\n\n");
    printf("enter first number:");
    scanf("%d", &num1);
    printf("enter second number:");
    scanf("%d", &num2);

    printf("\noutput\n\n");
    printf("sum = %d\n", num1+num2);
    printf("difference = %d\n", num1-num2);
    printf("product = %d\n", num1*num2);
    printf("quotient = %f\n", num1/(float)num2);
    printf("modulus = %d", num1%num2);
    return 0;
}
```

2.

```
#include <stdio.h>
#include <stdlib.h>

int main()
{
    float temprature;
    printf("enter temperature in fahrenheit:");
    scanf("%f", &temprature);

    float celsius=(temprature-32)*5/9;

    printf("%.2f fahrenheit = %.2f celsius", temprature, celsius);
    return 0;
}
```

3.

i. A= 0001 1010
 X= 0101 1011
 A^X= 0100 0001

ii. B= 0100 0001
 X= 0101 1011
 B^X= 0001 1010

iii.

```
#include <stdio.h>
#include <stdlib.h>

int main()
{
    int num1, num2;
    printf("enter any two numbers:");
    scanf("%d %d", &num1, &num2);

    printf("original value of number1= %d\n", num1);
    printf("original value of number2= %d\n", num2);

    int x=num1^num2;

    printf("number1 after swapping = %d\n", num1^x);
    printf("number2 after swapping = %d\n", num2^x);
    return 0;
}
```

4.

i. D=10

ii.

```
#include <stdio.h>
#include <stdlib.h>

int main()
{
    int a, b, c;
    printf("enter three numbers:");
    scanf("%d %d %d", &a, &b, &c);

    int min = a<b?(a<c ? a:c):(b<c ? b:c);

    printf("the smallest number is : %d", min);
    return 0;
}
```