Question1:-

```cpp
#include <iostream>

using namespace std;

int main()
{
    int number1=14;
    cout<<"first number is:"<<number1<<endl;

    int number2=23;
    cout<<"second number is:"<<number2<<endl;


    int sum;
    int division;
    int multi;
    int subtraction;


    sum=number1+number2;
    cout<<"the sum of two numbers is:"<<sum<<endl;

    subtraction=number1-number2;
    cout<<"the subtraction of two numbers is:"<<subtraction<<endl;

    multi=number1*number2;
    cout<<"the multi of two numbers is:"<<multi<<endl;

    division=number1/number2;
    cout<<"the division of two numbers is:"<<division<<endl;



    return 0;
}
```

OUTPUT:-

```
first number is:14
second number is:23
the sum of two numbers is:37
the subtraction of two numbers is:-9
the multi of two numbers is:322
the division of two numbers is:0


...Program finished with exit code 0
Press ENTER to exit console.
```

QUESTION:-

```cpp
1   #include <iostream>
2
3   using namespace std;
4
5   int main()
6 ▾ {
7       char op;
8       float number1,number2;
9
10
11      cout<<"enter operator(*,+.-,/) for your operation \n";
12      cin>>op;
13
14      cout<<"put two number of your choice \n";
15      cin>>number1>>number2;
16
17 ▾   switch (op) {
18          case '+':
19              cout<<"the sum of given numbers is:"<<number1+number2<<endl;
20              break;
21
22          case '-':
23              cout<<"the subtraction of two number is:"<<number1-number2<<endl;
24              break;
25
26          case '*':
27              cout<<"product of two number is :"<<number1*number2<<endl;
28              break;
29
30          case '/':
31              cout<<"the quotient of two numbers is: "<<number1/number2<<endl;
32              break;
33          default:
34              printf("unsupported operation amigoo");
35
36
37
38
39 }
40
41
42
43      return 0;
44
45
46 }
```
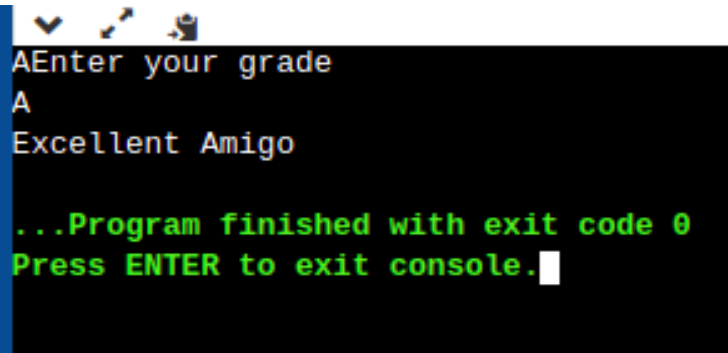
OUTPUTQUESTION2:

```
enter operator(*,+.-,/) for your operation
*
put two number of your choice
12
2
product of two number is :24


...Program finished with exit code 0
Press ENTER to exit console.
```
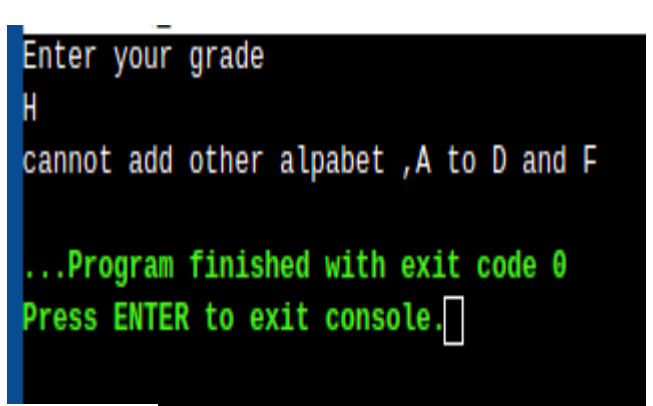
QUESTION3:

```cpp
#include <iostream>

using namespace std;

int main()
{

    char grade;
    cout<<"Enter your grade"<<endl;
    cin>>grade;

    switch(grade){
        case 'A':
         cout<<"Excellent Amigo";
         break;

        case 'B':
         cout<<"Very Good Amigo";
         break;
        case 'C':
         cout<<"Good Amigo";
         break;

        case 'D':
         cout<<"Poor Amigo";
         break;
        case 'F':
         cout<<"you failed Amigo";
         break;

        default:
        printf("cannot add other alpabet ,A to D and F");
         break;



    }



    return 0;
}
```
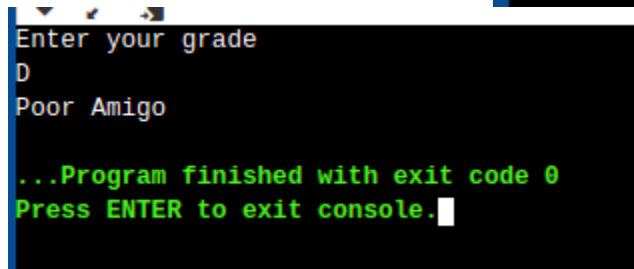
OUTPUT3A;-

```
AEnter your grade
A
Excellent Amigo

...Program finished with exit code 0
Press ENTER to exit console.
```

```
Enter your grade
H
cannot add other alpabet ,A to D and F

...Program finished with exit code 0
Press ENTER to exit console.
```

```
Enter your grade
D
Poor Amigo

...Program finished with exit code 0
Press ENTER to exit console.
```

QUESTION4:-

```cpp
#include <iostream>

using namespace std;

int main()
{

    char grade;
    cout<<"Enter your grade"<<endl;
    cin>>grade;

    switch(grade){
        case 'A':
        case 'a':
         cout<<"Excellent Amigo";
         break;

        case 'B':
        case 'b':
         cout<<"Very Good Amigo";
         break;
        case 'C':
        case 'c':
         cout<<"Good Amigo";
         break;

        case 'D':
        case 'd':
         cout<<"Poor Amigo";
         break;

        case 'F':
        case 'f':
         cout<<"you failed Amigo";
         break;

        default:
        printf("cannot add other alpabet ,A to D and F");
        break;


    }

    return 0;
}
```

OUTPUT4a:

```
Enter your grade
f
you failed Amigo

...Program finished with exit code 0
Press ENTER to exit console.
```

```
Enter your grade
c
Good Amigo

...Program finished with exit code 0
Press ENTER to exit console.
```

question5:

```cpp
#include <iostream>

using namespace std;

int main()
{

    int salary;
    cout<<"Enter your salary"<<endl;
    cin>>salary;


    if (salary<10000){
        cout<<"salary after deduction is:"<<salary<<endl;
}


    else if(salary>=10000 && salary<20000){

        cout<<"salary after deduction:"<<salary-=1000;
    }


    else(salary>2000){
    cout<<"salary after deduction is"<<salary-(7/100)*20000<<endl;

    }




    }
```