

1- Create a program that asks the user for their last name and prints a greeting with the capitalized last name.

قم بإنشاء برنامج يسأل المستخدم عن اسمه الأخير ويطبع تحية
capitalized last name

Input

```
What is your last name? ahmed
```

Output

```
Hello, Mr./Ms. Ahmed!
```

Solution

```
#include<iostream>
#include<string>
#include<cctype>

using namespace std;

int main() {
    string lastName;
    cout << "What is your last name? ";
    cin >> lastName;

    lastName[0] = toupper(lastName[0]);

    cout << "Hello, Mr./Ms. " << lastName << "!" << endl;

    return 0;
}
```

2- Write a program that prompts the user for their hometown and then outputs a message with the capitalized hometown.

اكتب برنامجًا يطلب من المستخدم تحديد مسقط رأسه، ثم يقوم بإخراج رسالة تحتوي على مكانه with the capitalized hometown.

Input

```
Where is your hometown? paris
```

Output

```
Greetings from Paris!
```

Solution

```
//www.gammal.tech

#include<iostream>
#include<string>
#include<cctype>

using namespace std;

int main() {
    string hometown;
    cout << "Where is your hometown? ";
    cin >> hometown;

    hometown[0] = toupper(hometown[0]);

    cout << "Greetings from " << hometown << "!" << endl;

    return 0;
}
```

3- Create a program that prompts the user for their hometown and prints a greeting with the second letter capitalized.

قم بإنشاء برنامج يطلب المستخدم بالذهاب إلى مسقط رأسه ويطبع تحية بالحرف الثاني الكبير.

Input

```
Where is your hometown? paris
```

Output

```
Greetings from pAris!
```

Solution

```
//www.gammal.tech
#include<iostream>
#include<string>
#include<cctype>

using namespace std;

int main() {
    string hometown;
    cout << "Where is your hometown? ";
    cin >> hometown;

    // Capitalize the second letter
    if (hometown.length() >= 2) {
        hometown[1] = toupper(hometown[1]);
    }

    cout << "Greetings from " << hometown << "!" << endl;

    return 0;
}
```

4- Create a program that asks the user for their last name and prints a greeting with the third letter capitalized.

قم بإنشاء برنامج يطلب من المستخدم اسم العائلة ويطبّع تحية بالحرف الثالث الكبير.

Input

```
What is your last name? abdulRahman
```

Output

```
Hello, Mr./Ms. abDuLrahman!
```

Solution

```
//www.gammal.tech

#include<iostream>
#include<string>
#include<cctype>

using namespace std;

int main() {
    string lastName;
    cout << "What is your last name? ";
    cin >> lastName;

    // Capitalize the third letter
    if (lastName.length() >= 3) {
        lastName[2] = toupper(lastName[2]);
    }

    cout << "Hello, Mr./Ms. " << lastName << "!" << endl;

    return 0;
}
```

5- Create a program that asks the user for their hometown and prints a greeting with the second letter capitalized, using the first letter provided.

أنشئ برنامجًا يسأل المستخدم عن مسقط رأسه ويطبّع تحية بالحرف الثاني الكبير، باستخدام الحرف الأول المقدم.

Input

```
What is the first letter of your hometown? p
Enter the rest of your hometown: paris
```

Output

```
Greetings from pPris!
```

Solution

```
//www.gammal.tech

#include<iostream>
#include<string>
#include<cctype>

using namespace std;

int main() {
    string hometown;
    cout << "What is the first letter of your hometown? ";
    char firstLetter;
    cin >> firstLetter;

    cout << "Enter the rest of your hometown: ";
    cin >> hometown;

    hometown[1] = toupper(firstLetter);

    cout << "Greetings from " << hometown << "!" << endl;

    return 0;
}
```

6- Write a program that asks for the user's birthdate and then outputs a message with the capitalized month.

اكتب برنامجًا يسألك عن تاريخ ميلاد المستخدم ثم يخرج رسالة
capitalized month

Input

```
What is your birth month? july
```

Output

```
Happy birthday month! I hope July brings you joy.
```

Solution

```

//www.gammal.tech

#include<iostream>
#include<string>
#include<cctype>

using namespace std;

int main() {
    string birthMonth;
    cout << "What is your birth month? ";
    cin >> birthMonth;

    birthMonth[0] = toupper(birthMonth[0]);

    cout << "Happy birthday month! I hope " << birthMonth << " brings you joy." << endl;

    return 0;
}
```

7- Create a program that prompts the user for their favorite book genre and then outputs a message with the capitalized genre.

قم بإنشاء برنامج يطالب المستخدم بنوع كتابه المفضل ثم يقوم بإخراج رسالة with the capitalized genre.

Input

```
What is your favorite book genre? mystery
```

Output

```
Nice! I enjoy reading Mystery books too.
```

Solution

```
//www.gammal.tech

#include<iostream>
#include<string>
#include<cctype>

using namespace std;

int main() {
    string bookGenre;
    cout << "What is your favorite book genre? ";
    cin >> bookGenre;

    bookGenre[0] = toupper(bookGenre[0]);

    cout << "Nice! I enjoy reading " << bookGenre << " books too." << endl;

    return 0;
}
```

8- Create a program that prompts the user for their first and last names separately and prints a greeting with the first letters of both names capitalized.

قم بإنشاء برنامج يطلب المستخدم بأسمه الأول واسم العائلة بشكل منفصل ويطبع تحية بالأحرف الأولى من كلا الاسمين بأحرف كبيرة.

Input

```
What is your first name? aly
What is your last name? ahmed
```

Output

```
Hello, Mr./Ms. Aly Ahmed!
```

Solution

```
//www.gammal.tech

#include<iostream>
#include<string>
#include<cctype>

using namespace std;

int main() {
    string firstName, lastName;
    cout << "What is your first name? ";
    cin >> firstName;
    cout << "What is your last name? ";
    cin >> lastName;

    firstName[0] = toupper(firstName[0]);
    lastName[0] = toupper(lastName[0]);

    cout << "Hello, Mr./Ms. " << firstName << " " << lastName << "!" << endl;

    return 0;
}
```

9- Create a program that prompts the user for their first and last names separately and prints a greeting with the third letter of the first name and the second letter of the last name capitalized.

قم بإنشاء برنامج يطلب المستخدم بأسمه الأول واسم العائلة بشكل منفصل ويطبع تحية بالحرف الثالث من الاسم الأول والحرف الثاني من اسم العائلة بأحرف كبيرة.

Input

```
What is your first name? gammal
What is your last name? tech
```

Output

```
Hello, Mr./Ms. gaMmal tEch!
```


Solution

```
//www.gammal.tech

#include<iostream>
#include<string>
#include<cctype>

using namespace std;

int main() {
    string firstName, lastName;
    cout << "What is your first name? ";
    cin >> firstName;
    cout << "What is your last name? ";
    cin >> lastName;

    if (firstName.length() >= 3) {
        firstName[2] = toupper(firstName[2]);
    }
    if (lastName.length() >= 2) {
        lastName[1] = toupper(lastName[1]);
    }

    cout << "Hello, Mr./Ms. " << firstName << " " << lastName << "!" << endl;

    return 0;
}
```

10- Write a program that asks for the user's favorite subject and then outputs a message with the capitalized subject.

اكتب برنامجًا يسأل عن الموضوع المفضل للمستخدم ثم يُخرج رسالة
capitalized subject.

Input

```
What is your favorite subject? science
```

Output

```
Interesting! I enjoy learning about Science too.
```

Solution



//www.gammal.tech

```
#include<iostream>
#include<string>
#include<cctype>
```

```
using namespace std;
```

```
int main() {
    string favoriteSubject;
    cout << "What is your favorite subject? ";
    cin >> favoriteSubject;

    favoriteSubject[0] = toupper(favoriteSubject[0]);

    cout << "Interesting! I enjoy learning about " << favoriteSubject << " too." << endl;

    return 0;
}
```
