Try out each of the following scenarios and figure out the answers to all five questions. Submit your answers in a file answers.txt.

```cpp
//Scenario 1:
cout<<"\n-------------SCENARIO 1------------\n";
char* s = "FAST";
cout<<"First Output: "<<s<<'\n';
cout<<"Second Output: "<<*s<<'\n';
//Question 1: Why is first and second output different?

//Scenario 2:
cout<<"\n-------------SCENARIO 2------------\n";
cout<<"This is an easy one :) \n";
char *buffer;
cout<<"Enter a message: ";
cin>>buffer;
cout<<buffer<<'\n';
//Question 2: You will get an error; why? How will you fix it?
```

```cpp
//Scenario 3:
cout<<"\n-------------SCENARIO 3------------\n";
char* first = new char[100];
cout<<"Enter first input: ";
cin>>first;
cout<<"\nFirst input was: "<<first<<'\n';
cout<<"Enter second input: ";
char* second = new char[100];
cin>>second;
cout<<"\nSecond input was: "<<second;
//Question 3: Why does the program not act as expected? How will you fix it?

//Scenario 4:
char *str = "FAST";
str[0] = 'p';
cout<<str[0]<<'\n';
//Question 4: Do you get an error? Why? How do you fix it?
//Question 5: Do you get a warning? Why? How do you fix it?
```