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CS225

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HW5: Programming Exercise and Project

*Assuming the following declarations:*

*char name[21];*

*char yourName[21];*

*char studentName[31];*

***a.*** *yourName[0] = '\0';*  
  
 -Valid: because it initializes the first element of the array to NULL.

***b.*** *yourName = studentName;*

-Invalid: can’t concatenate pointers.

strcpy(yourName, studentName);

***c.*** *if (yourName == name) // if contain same words*

*std::cout << "Same word in " << yourName << " and " << name;*

-Invalid: compares the address of yourName to name, and not their content.  
  
if (strcmp(yourName, name) == 0)

std::cout << "Same word in " << yourName << " and " << name;

***d.*** *for (int j=0; j < name.length; j++)*

*std::cout << name[j];*  
  
-Invalid: .length is not a function of an array  
  
for (int j=0; j < sizeof(name)/sizeof(name[0]); j++)

std::cout << name[j];

Code execution:

Text

Description automatically generated