

Zoho Corporation - Programming Test

1. Write a program to implement a directory management system. The system should start with a default directory named "~" (denotes root) and should do the following operations:

a. **md**

Explanation: Make a directory.

Example: **md Animal** //Creates a directory named "Animal".
 //The directory will be created under the current directory.

b. **cd**

Explanation: Change directory

Example: **cd Animal** //Takes to the directory "Animal".
 //Throws an error if there is no such directory.

c. **cd ..**

Explanation: Takes to the previous directory

d. **cd <full_path>**

Example: **cd ~/Animal/Domestic**

Explanation: Takes to the directory "Domestic" under the directory "Animal". Throws an error if there is no such directory under the specified path.

e. **cd <path_from_current_directory>**

Example: **cd ./Domestic/Cow**

Explanation: Takes to the directory "Cow" under the specified path from the current directory.

e. **ls**

Explanation: Lists the directories under the current directory

Example: **ls**

Output: **Wild**

Domestic

f. **pwd**

Explanation: Present Working Directory. Prints the current directory with hierarchy details.

Example: ***pwd***

Output: ***~/Animal/Domestic (full path)***