Shell Program

Code:

```
#include<stdio.h>
#include<unistd.h>
#include<sys/types.h>
#include<string.h>
#include<stdlib.h>
void main(void){
 while(1){
  printf("\nTry This Shell >>> ");
 char inputStr[20];
  fgets(inputStr, sizeof(inputStr), stdin);
  char* part = strtok(inputStr," ");
  int index = 1;
  char* args[20];
  char* cmd;
  cmd = part;
  args[0] = part;
  if (strcmp(cmd,"Quit\n") == 0 \mid | strcmp(cmd,"\n") == 0){
   break;
  }
  while(part != NULL) {
    part = strtok(NULL," ");
```

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```
args[index] = part;
    index = index + 1;
  }
  int child = fork();
  if (child <= 0) {
   char path[100];
   strcpy(path, "/bin/");
   strcat(path, cmd);
   args[index - 2] = strtok(args[index - 2], "\n");
   execvp(cmd, args);
   printf(" Error! ");
   break;
  }
  else{
   wait(&child);
  }
}
}
```

Screenshots:

```
GNU nano 5.4
#include<stdio.h>
#include<unistd.h>
#include<sys/types.h>
#include<string.h>
#include<stdlib.h>
void main(void){
   while(1){em
printf("Try This Shell >>> ");
      char inputStr[20];
fgets(inputStr, sizeof(inputStr), stdin);
char* part = strtok(inputStr," ");
int index = 1;
char* args[20];
      char* cmd;
      cmd = part;
      args[0] = part;

if (strcmp(cmd,"Quit\n") = 0 || strcmp(cmd,"\n") = 0){
      while(part # NULL) {
   part = strtok(NULL," ");
   args[index] = part;
   index = index + 1;
}
      int child = fork();
if (child ≤ 0) {
         char path[100];
strcpy(path, "/bin/");
strcat(path, cmd);
         args[index - 2] = strtok(args[index - 2], "\n");
         execvp(cmd, args);
printf(" Error! ");
```