Week-2

Questions 1:

```c
#include <stdio.h>
int main() {
    DIR *d;
    d = opendir(".");
    if (d) {
        printf("Contents of directory:\n");
        while ((dir = readdir(d)) != NULL) {
            printf("listfiles");
        }
    } else {
        perror("opendir");
    }
    return 0;}
```

Question 2:

```c
#include <stdio.h>
int main() {
    execlp("ls");
    perror("execlp"); // This will only execute if execlp fails
    return 0;
}
```

Question 3:

```c
#include <stdio.h>
#include <unistd.h>
#include <string.h>

void writeToFile(char *filename, char *content) {
  if (fd < 0) {
      perror("open");
      return;
  }
  write(fd, content, strlen(content));
}

void printMatchingLines(char *file1, char *file2) {
   FILE *fp1 = fopen(file1, "r");
   FILE *fp2 = fopen(file2, "r");
   if (!fp1 || !fp2) {
      perror("fopen");
      return;
   }

   char line1[256], line2[256];
      rewind(fp2);
         if (strcmp(line1, line2) == 0) {
            printf("Matching line: %s", line1);
         }
      }
   }

   fclose(fp1);
   fclose(fp2);
}

int main() {
   char myDetails[] = "Name: YourName\nAge: 20\nDepartment: CSE\n";
   char friendDetails[] = "Name: FriendName\nAge: 20\nDepartment: CSE\n";

   printf("Matching lines in both files:\n");
   printMatchingLines("mydetails.txt", "frienddetails.txt");

   return 0;
}
```