Q1. Write a program to find the difference between the largest and smallest values in an array of integers.

```
PS C:\Users\Galaxy\os module> gcc Q1.c
PS C:\Users\Galaxy\os module> ./a.exe
Difference is: 50
PS C:\Users\Galaxy\os module> |
```

Q2Write a C program to create a parent process which terminates after the child finishes printing the contents of array.

```
#include <stdio.h>
#include <sys/wait.h>
#include <stdlib.h>
#include <unistd.h>

void main()
{
    pid_t id;
    id = fork();
    if(id>0)
    {
        printf("Parent Started Executing \n");
        printf("Waiting for child to finish \n");
        wait(NULL);
        printf("Parent Exiting \n");
    }
    else
    {
        printf("Child Executing \n");
        sleep(5);
        printf("Child Finished \n");
        exit(0);
    }
}
```