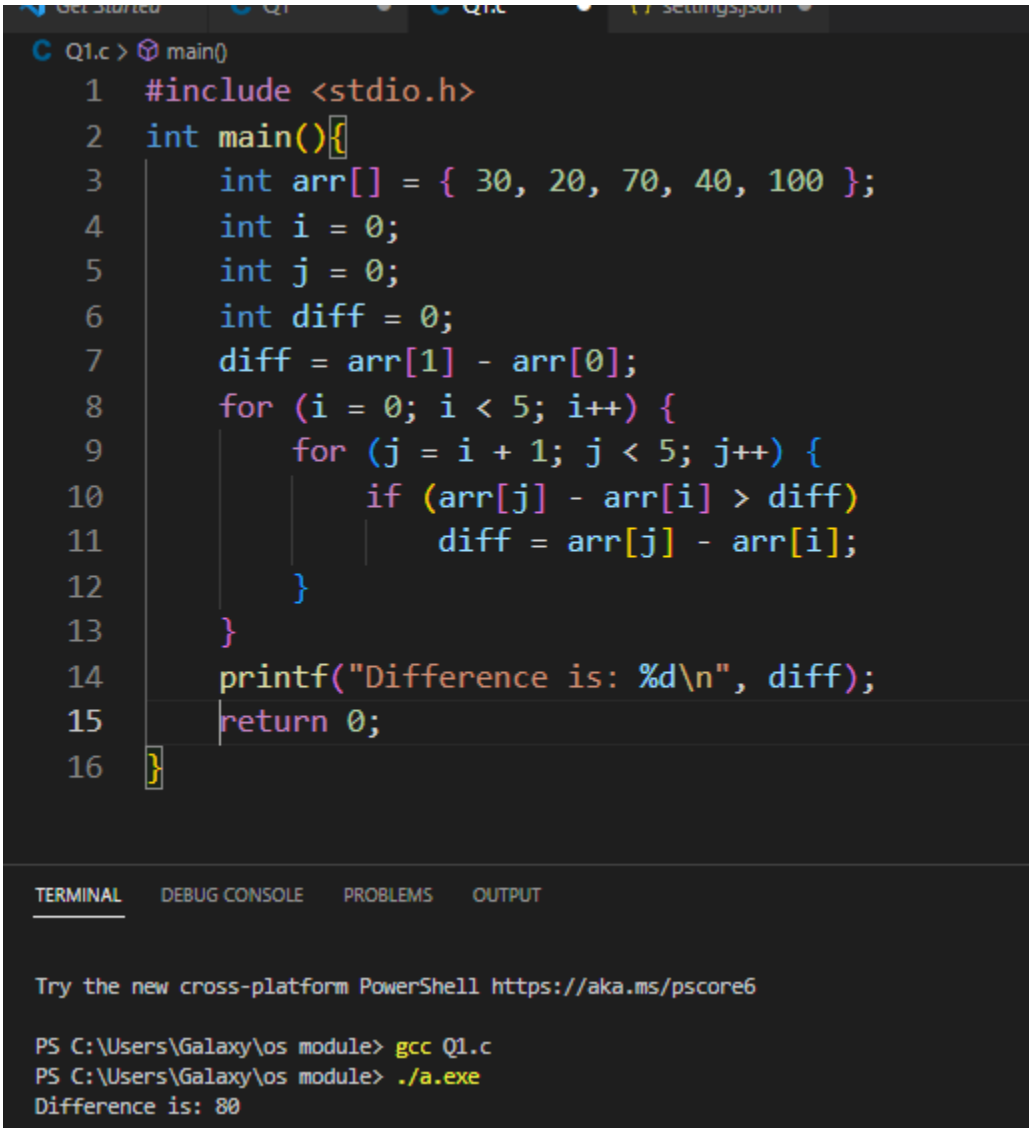
Q1. Write a program to find the difference between the largest and smallest values in an array of integers.

Ans:



Q2. Write a C program to create a parent process which terminates after the child finishes printing the contents of array.

Ans:

```c
#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);
        }
}
```

Output:

```
┌──(kali㉿kali)-[~/Desktop]
└─$ nano pro_child.c

┌──(kali㉿kali)-[~/Desktop]
└─$ gcc pro_child.c -o pro_child

┌──(kali㉿kali)-[~/Desktop]
└─$ ./pro_child
Parent Started Executing
Waiting for child to finish
Child Executing
 Child Finished
Parent Exiting
```