

Q1A

```
#include<stdio.h>
```

```
int main(){
```

```
    int start=10;
```

```
    int end=25;
```

```
    for(int i=start;i<=end;i++){
```

```
        if(i%2==0){
```

```
            printf("Even : %d\n",i);
```

```
        }
```

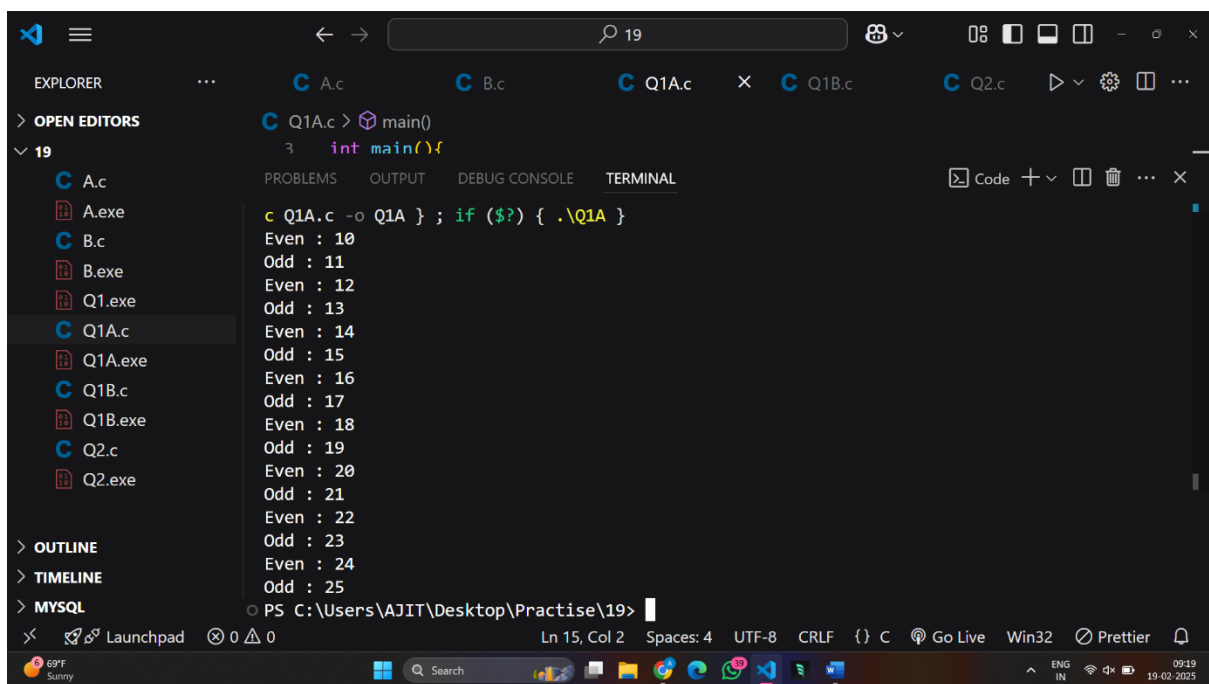
```
        else{
```

```
            printf("Odd : %d\n",i);
```

```
        }
```

```
    }
```

```
}
```



The screenshot shows the Visual Studio Code interface with a C program for Q1A. The program is defined in `Q1A.c` and is being executed. The output of the program is displayed in the terminal window, showing the sequence of even and odd numbers from 10 to 25.

```
Q1A.c > main()
3 int main(){
c Q1A.c -o Q1A } ; if ($?) { .\Q1A }
Even : 10
Odd : 11
Even : 12
Odd : 13
Even : 14
Odd : 15
Even : 16
Odd : 17
Even : 18
Odd : 19
Even : 20
Odd : 21
Even : 22
Odd : 23
Even : 24
Odd : 25
PS C:\Users\AJIT\Desktop\Practise\19>
```

Q1B

```
#include<stdio.h>
```

```

int main(){

    int start=1;

    int end=15;


    for(int i=start;i<=end;i++){

        if(i%2==0){

            printf("Even : %d\n",i);

        }

        else{

            printf("Odd : %d\n",i);

        }

    }

}

```

The screenshot shows the Visual Studio Code interface. The Explorer pane on the left lists files: A.c, A.exe, B.c, B.exe, Q1.exe, Q1A.c, Q1A.exe, Q1B.c, Q1B.exe, Q2.c, and Q2.exe. The main editor displays the source code for Q1B.c, which includes a header file and a main function. The output window shows the execution results, listing odd and even numbers from 1 to 15. The terminal window shows the command to compile and run the program.

```

c Q1B.c -o Q1B } ; if ($?) { .\Q1B }
Odd : 1
Even : 2
Odd : 3
Even : 4
Odd : 5
Even : 6
Odd : 7
Even : 8
Odd : 9
Even : 10
Odd : 11
Even : 12
Odd : 13
Even : 14
Odd : 15
PS C:\Users\AJIT\Desktop\Practise\19>

```

Q2

```
#include<stdio.h>
```

```

int main(){

    int sum=0;

```

```
for(int i=1;i<=5;i+=2){  
    sum +=i;  
}  
printf("Sum : %d",sum);  
  
}
```

The screenshot shows the Visual Studio Code interface with a C program open in the editor. The Explorer sidebar on the left shows a project named '19' containing files A.c, A.exe, B.c, B.exe, Q1.c, Q1A.c, Q1A.exe, Q1B.c, Q1B.exe, Q2.c, and Q2.exe. The editor window displays the code for Q2.c, which is a C program that calculates the sum of odd numbers from 1 to 5. The terminal at the bottom shows the command to compile and run the program, and the output displays 'Sum : 9'.

```
1  int main(){  
2  
3      int sum=0;  
4      for(int i=1;i<=5;i+=2){  
5          sum +=i;  
6      }  
7      printf("Sum : %d",sum);  
8  
9  }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

```
● PS C:\Users\AJIT\Desktop\Practise\19> cd "c:\Users\AJIT\Desktop\Practise\19\" ; if ($?) { gcc  
c Q2.c -o Q2 } ; if ($?) { .\Q2 }  
Sum : 9  
○ PS C:\Users\AJIT\Desktop\Practise\19>
```

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