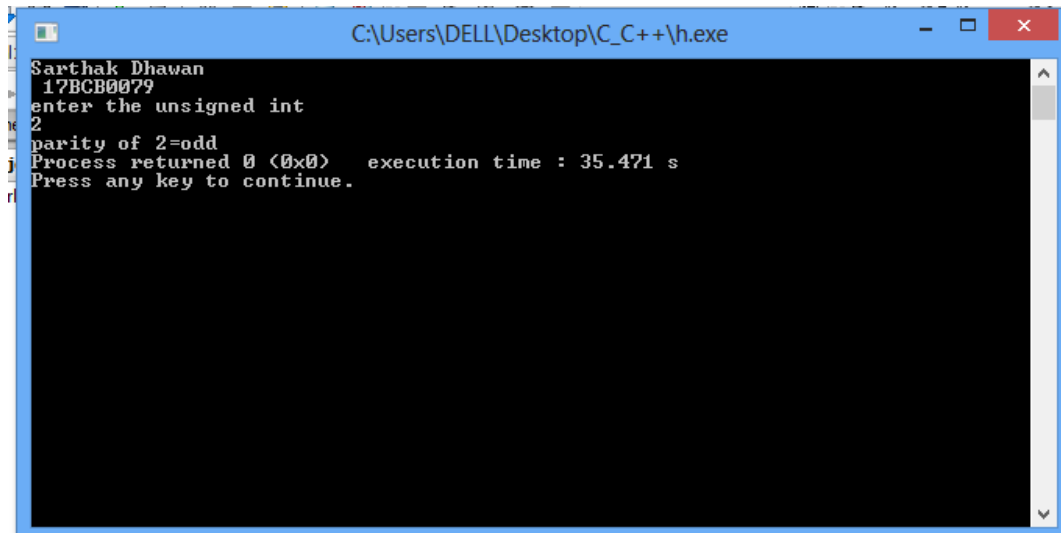
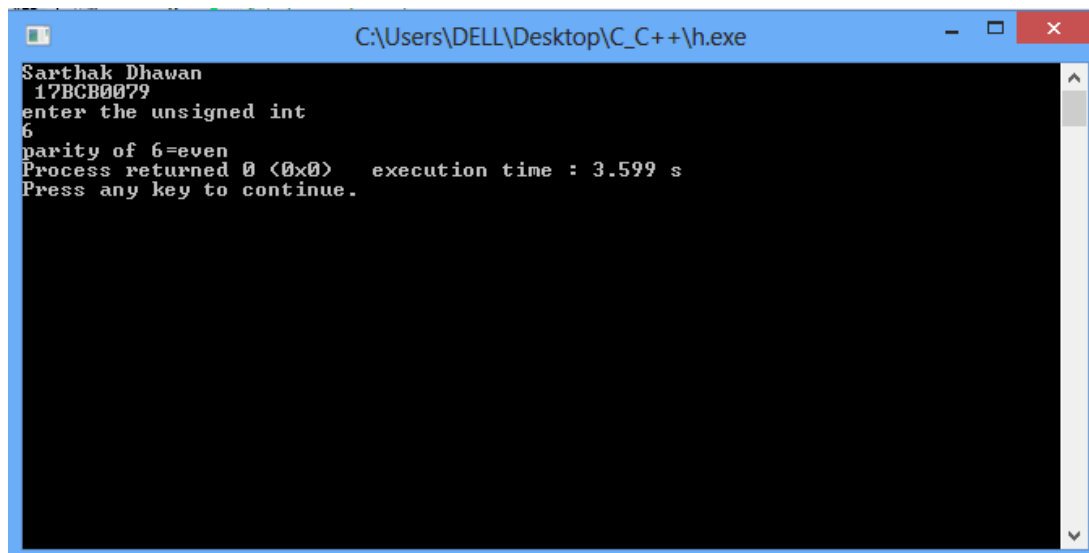


SAMPLE OUTPUT

1) SIMPLE PARITY CHECK

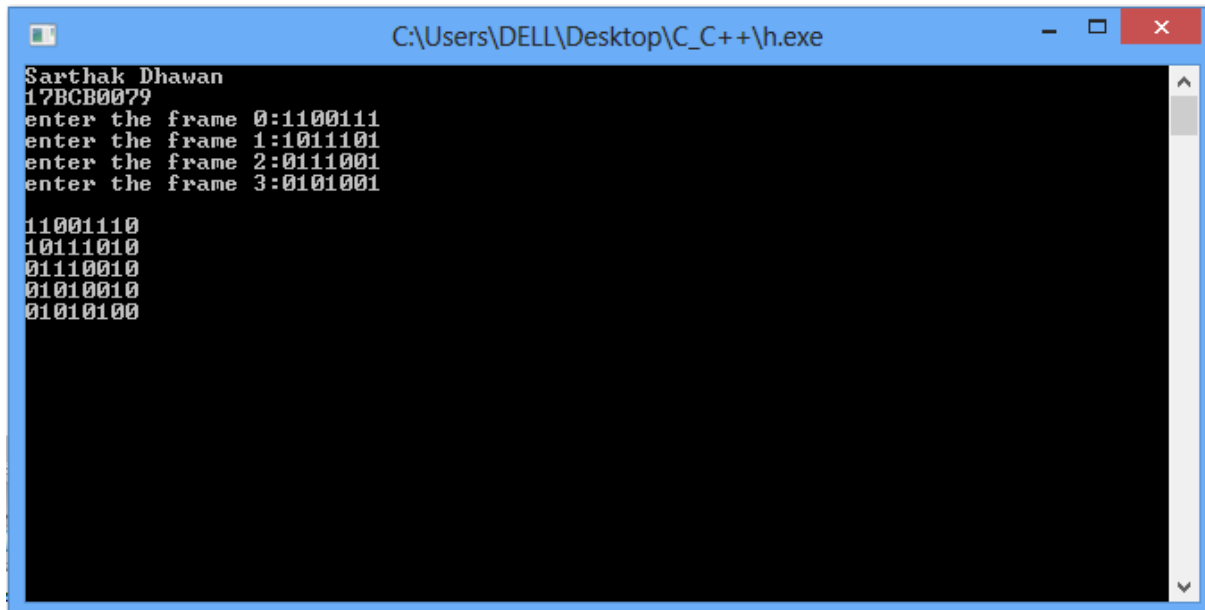


```
C:\Users\DELL\Desktop\C_C++\h.exe
Sarthak Dhawan
17BCB0079
enter the unsigned int
2
parity of 2=odd
Process returned 0 (0x0)   execution time : 35.471 s
Press any key to continue.
```



```
C:\Users\DELL\Desktop\C_C++\h.exe
Sarthak Dhawan
17BCB0079
enter the unsigned int
6
parity of 6=even
Process returned 0 (0x0)   execution time : 3.599 s
Press any key to continue.
```

2) 2-D PARITY CHECK



```
Sarthak Dhawan
17BCB0079
enter the frame 0:1100111
enter the frame 1:1011101
enter the frame 2:0111001
enter the frame 3:0101001

11001110
10111010
01110010
01010010
01010100
```

3) CHECKSUM

Error:

```
ENTER SIZE OF THE STRING:1
ENTER THE ELEMENTS OF THE ARRAY FOR SENDER:10010011
****SENDER****
SUM IS: 10010011
SENDER'S CHECKSUM IS:-10010012
ENTER THE ELEMENTS OF THE ARRAY FOR RECIEVER:1

****RECEIVER****
RECEIVER SUM IS:1
RECEIVER'S CHECKSUM IS:10010010
ERROR DETECTED
```

No error:

```
ENTER SIZE OF THE STRING:1
ENTER THE ELEMENTS OF THE ARRAY FOR SENDER:10010011
****SENDER****
SUM IS: 10010011
SENDER'S CHECKSUM IS:-10010012
ENTER THE ELEMENTS OF THE ARRAY FOR RECIEVER:10010011

****RECEIVER****
RECEIVER SUM IS:10010011
RECEIVER'S CHECKSUM IS:0
NO ERROR IN TRANSMISSION
```

4) Cyclic redundancy check (CRC)

```
Enter Generator size: 4
Enter Generator:1
1
0
1

Enter Frame size: 6
Enter Frame for Sender:1
0
0
1
0
0
0

Sender Side:
Frame: 100100
Generator :1101
Number of 0's to be appended: 3
Message after appending 0's :100100000
CRC bits: 001
Transmitted Frame:
Enter Frame for Reciever:1 0 0 1 0 0
100100001
Receiver side :
Received Frame: 100100001
Reaminder: 000
Since Remainder Is 0 Hence Message Transmitted From Sender To Receiver Is Corre
ct
```