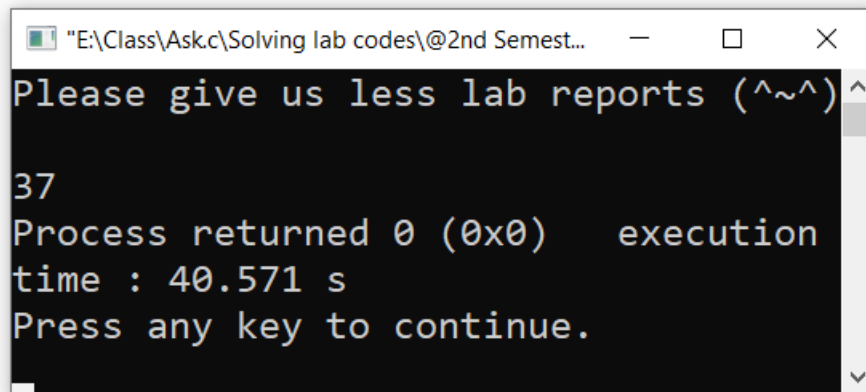
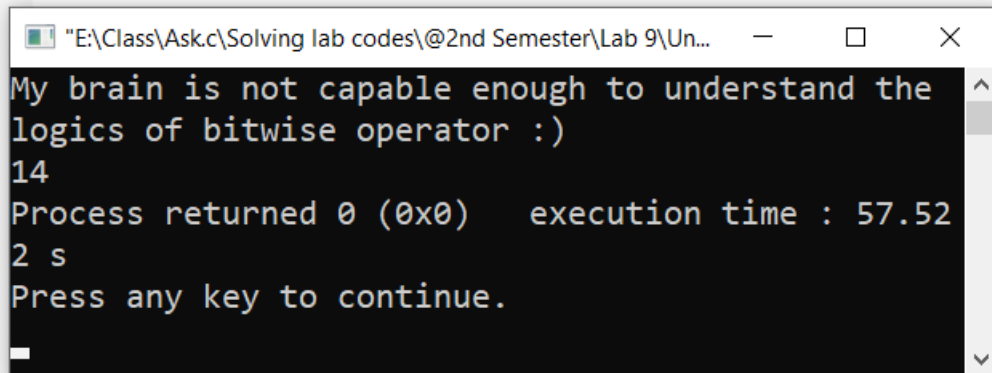


```
1  #include<stdio.h>
2  #include<string.h>
3  int main() {
4      char n[10001];
5      gets(n);
6      int i;
7      for(i=0; i<10001; i++) {
8          if(n[i]=='\0') break;
9      }
10     printf("%d", i);
11 }
12
```



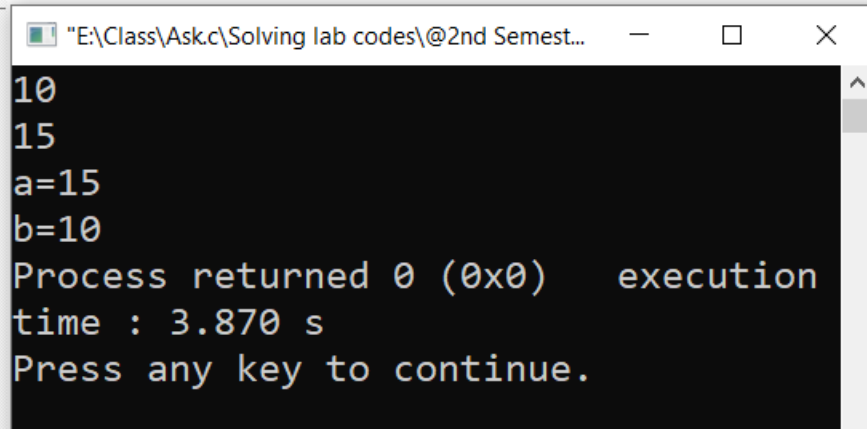
```
"E:\Class\Ask.c\Solving lab codes\@2nd Semest...  -  □  ×
Please give us less lab reports (^~^)^
37
Process returned 0 (0x0)   execution
time : 40.571 s
Press any key to continue.
```

```
1  #include<stdio.h>
2  #include<string.h>
3  int main() {
4      char n[10001];
5      gets(n);
6      int i=0, a=0;
7      while(n[i]!='\0') {
8          if(n[i]==' ') a++;
9          i++;
10     }
11     printf("%d", a+1);
12 }
13
```



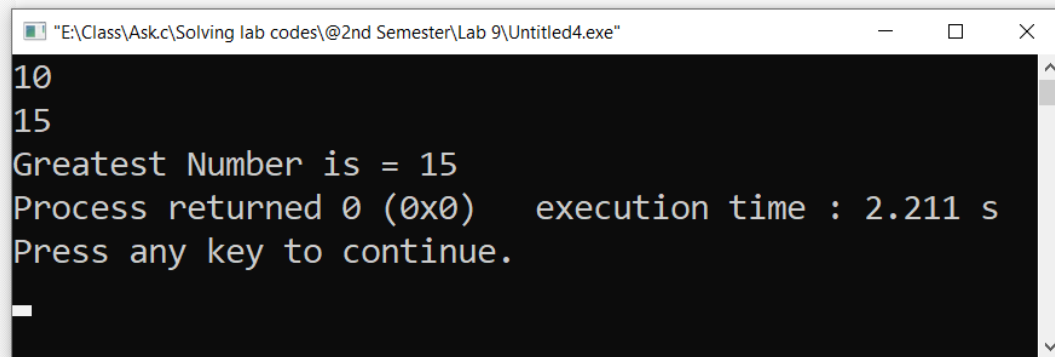
```
"E:\Class\Ask.c\Solving lab codes\@2nd Semester\Lab 9\Un...  -  □  ×
My brain is not capable enough to understand the
logics of bitwise operator :)
14
Process returned 0 (0x0)  execution time : 57.52
2 s
Press any key to continue.
_
```

```
1  #include<stdio.h>
2  #include<string.h>
3  int main() {
4      int a, b, c, d, e, f;
5      scanf("%d%d", &a, &b);
6      a=a^b;
7      b=a^b;
8      a=a^b;
9      printf("a=%d\nb=%d", a, b);
10 }
11
```



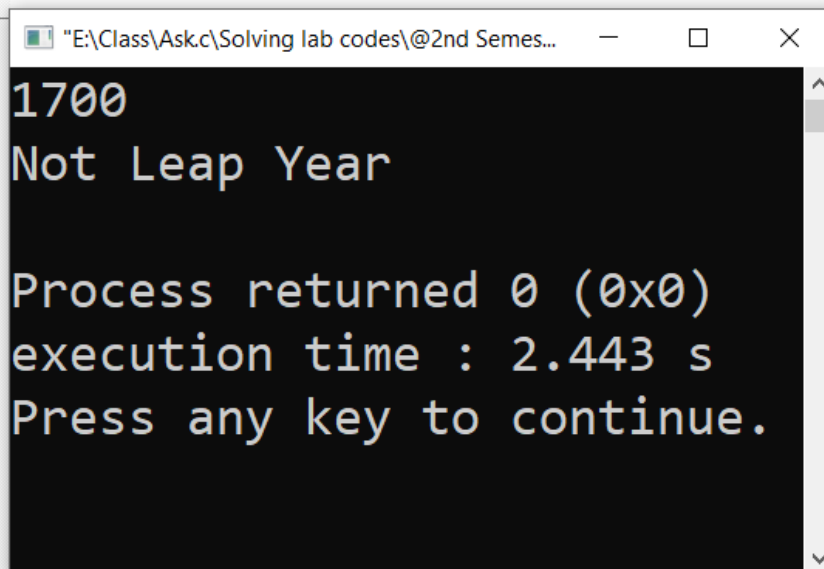
```
"E:\Class\Ask.c\Solving lab codes\@2nd Semest...  -  □  ×
10
15
a=15
b=10
Process returned 0 (0x0)   execution
time : 3.870 s
Press any key to continue.
```

```
1  #include<stdio.h>
2  #include<string.h>
3  int main(){
4      int a, b;
5      scanf("%d%d", &a, &b);
6      printf("Greatest Number is = %d", (a>b)?a:b);
7  }
8
```



```
"E:\Class\Ask.c\Solving lab codes\@2nd Semester\Lab 9\Untitled4.exe"
10
15
Greatest Number is = 15
Process returned 0 (0x0)   execution time : 2.211 s
Press any key to continue.
_
```

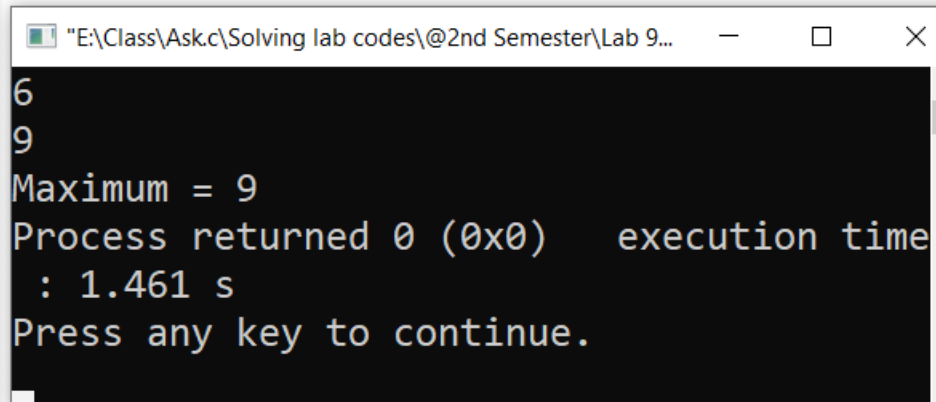
```
1  #include<stdio.h>
2  #include<string.h>
3  int main() {
4      int m;
5      scanf("%d", &m);
6      (m%400==0 || (m%4==0 && m%100!=0))
7      ?printf("Leap Year\n")
8      :printf("Not Leap Year\n");
9  }
10
```



```
"E:\Class\Ask.c\Solving lab codes\@2nd Semes..."
1700
Not Leap Year

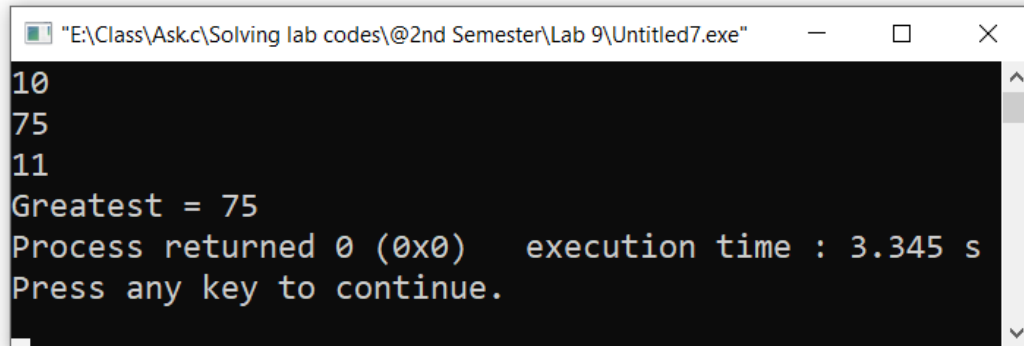
Process returned 0 (0x0)
execution time : 2.443 s
Press any key to continue.
```

```
1  #include<stdio.h>
2  #include<string.h>
3  int main() {
4      int a, b;
5      scanf("%d%d", &a, &b);
6      printf("Maximum = %d", (a>b)?a:b);
7  }
8
```



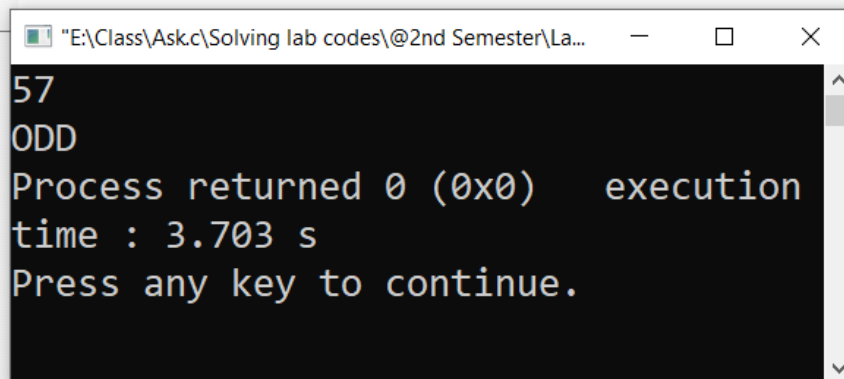
```
"E:\Class\Ask.c\Solving lab codes\@2nd Semester\Lab 9...  -  □  ×
6
9
Maximum = 9
Process returned 0 (0x0)   execution time
: 1.461 s
Press any key to continue.
```

```
1  #include<stdio.h>
2  #include<string.h>
3  int main(){
4      int a, b, c;
5      scanf("%d%d%d", &a, &b, &c);
6      printf("Greatest = %d", (a>b)?((a>c)? a:c):((b>c)?b:c));
7  }
8
9
```



```
"E:\Class\Ask.c\Solving lab codes\@2nd Semester\Lab 9\Untitled7.exe"
10
75
11
Greatest = 75
Process returned 0 (0x0)   execution time : 3.345 s
Press any key to continue.
```

```
1 #include<stdio.h>
2 #include<string.h>
3 int main () {
4     int a;
5     scanf ("%d", &a);
6     (a%2)?printf ("ODD")
7     :printf ("EVEN");
8 }
9
```

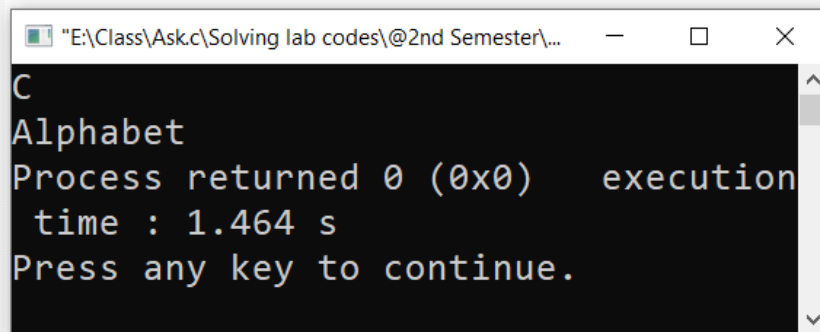


"E:\Class\Ask.c\Solving lab codes\@2nd Semester\La... - □ ×

```
57
ODD
Process returned 0 (0x0)   execution
time : 3.703 s
Press any key to continue.
```



```
1  #include<stdio.h>
2  int main() {
3      char a;
4      scanf(" %c", &a);
5      ((a>=65&&a<=90) || (a>=97&&a<=122))
6      ?printf("Alphabet")
7      :printf("Not Alphabet");
8  }
9
```



```
"E:\Class\Ask.c\Solving lab codes\@2nd Semester\...
C
Alphabet
Process returned 0 (0x0)   execution
time : 1.464 s
Press any key to continue.
```

```

1  #include<stdio.h>
2  #include<string.h>
3  #include<stdlib.h>
4  #include<ctype.h>
5  #include<math.h>
6  int main() {
7      char a[1000][1000], e[1000];
8      int b;
9      scanf("%d", &b);
10     for(int i=0; i<b; i++) scanf("%s", a[i]);
11     for(int i=0; i<b; i++){
12         for(int j=i; j<b; j++){
13             if(strcmp(a[i], a[j])>0){
14                 strcpy(e, a[i]);
15                 strcpy(a[i], a[j]);
16                 strcpy(a[j], e);
17             }
18         }
19     }
20     for(int i=0; i<b; i++) printf("%s ", a[i]);
21 }
22

```

```

"E:\Class\Ask.c\Solving lab codes\@2nd Semester\Lab 9\Untitled10....
5
Why
Can't
I
Build
Logics
Build Can't I Logics Why
Process returned 0 (0x0)    execution time : 26.269 s
Press any key to continue.

```

```

1  #include<stdio.h>
2  #include<string.h>
3  #include<stdlib.h>
4  #include<ctype.h>
5  #include<math.h>
6  int main(){
7      int a, b, c, d, e, f;
8      printf("Press 1 for Binary-Decimal\n");
9      printf("Press 2 for Decimal-Binary\n");
10     scanf("%d", &a);
11     if(a==1){
12         printf("Binary = ");
13         scanf("%d", &b);
14         c=0, d=1;
15         while(b>0){
16             e=b%10;
17             c+=e*d;
18             d*=2;
19             b/=10;
20         }
21         printf("Decimal = %d\n", c);
22     }
23     else if(a==2){
24         int arr[32], i=0;
25         printf("Decimal = ");
26         scanf("%d", &b);
27         while(b>0){
28             arr[i]=b%2;
29             b/=2;
30             i++;
31         }
32         printf("Binary = ");
33         for(int j=i-1; j>=0; j--)
34             printf("%d", arr[j]);
35     }
36 }

```

"E:\Class\Ask.c\Solving lab ...

```

Press 1 for Binary-Decimal
Press 2 for Decimal-Binary
2
Decimal = 255709
Binary = 111110011011011101
Process returned 0 (0x0)   execution time
: 30.680 s
Press any key to continue.

```

```

1  #include<stdio.h>
2  #include<string.h>
3  #include<stdlib.h>
4  #include<ctype.h>
5  #include<math.h>
6  int main() {
7      int a, b, c, d, e, f;
8      printf("Press 1 for Hexadecimal-Decimal\n");
9      printf("Press 2 for Decimal-Hexadecimal\n");
10     scanf("%d", &a);
11     if(a==1) {
12         printf("Hexadecimal = ");
13         char hex[20];
14         scanf("%s", hex);
15         b=strtol(hex, NULL, 16);
16         printf("Decimal = %d\n", b);
17     }
18     else if(a==2) {
19         char hex[20];
20         printf("Decimal = ");
21
22         scanf("%d", &b);
23         sprintf(hex, "%X", b);
24         printf("Hexadecimal = %s\n", hex);
25     }
}

```

"E:\Class\Askc\Solving lab codes\@2nd Semester\Lab 9\Untitled..."

```

Press 1 for Hexadecimal-Decimal
Press 2 for Decimal-Hexadecimal
1
Hexadecimal = 29E
Decimal = 670

Process returned 0 (0x0)   execution time : 5.029 s
Press any key to continue.

```

```

1  #include <stdio.h>
2  #include <string.h>
3  #include <stdlib.h>
4  #include <ctype.h>
5  #include <math.h>
6  int main() {
7      int n, a=0, b=0;
8      char hex[20], oct[12];
9      printf("Press 1 for Hexadecimal-Octal\n");
10     printf("Press 2 for Octal-Hexadecimal\n");
11     scanf("%d", &n);
12     if(n==1){
13         printf("Hexadecimal = ");
14         scanf("%s", hex);
15         sscanf(hex, "%X", &a);
16         int i=0;
17         while(a>0){
18             oct[i]=a%8;
19             a/=8;
20             i++;
21         }
22         printf("Octal = ");
23         for(int j= i-1; j>=0; j--) printf("%d", oct[j]);
24     }
25     else if(n==2){
26         printf("Octal = ");
27         scanf("%s", oct);
28         sscanf(oct, "%o", &b);
29         printf("Hexadecimal = %X", b);
30     }
31 }

```

"E:\Class\Ask.c\Solving lab codes\@2nd Semester\Lab 9\Untitl... — □ ×

```

Press 1 for Hexadecimal-Octal
Press 2 for Octal-Hexadecimal
2
Octal = 123467
Hexadecimal = A737
Process returned 0 (0x0)    execution time :
8.505 s
Press any key to continue.

```

```

1  #include<stdio.h>
2  #include<string.h>
3  #include<stdlib.h>
4  #include<ctype.h>
5  #include<math.h>
6  int main(){
7      int a, b, c, d, e, f;
8      printf("Press 1 for Hexadecimal-Binary\n");
9      printf("Press 2 for Binary-Hexadecimal\n");
10     scanf("%d", &a);
11     if(a==1){
12         printf("Hexadecimal = ");
13         char hex[20];
14         scanf("%s", hex);
15         b=strtol(hex, NULL, 16);
16         int arr[32], i=0;
17         while(b>0){
18             arr[i]=b%2;
19             b/=2;
20             i++;
21         }
22         printf("Binary = ");
23         for(int j=i-1; j>=0; j--) printf("%d", arr[j]);
24     }
25     else if(a==2){
26         char hex[20];
27         printf("Binary = ");
28         scanf("%d", &b);
29         c=0, d=1;
30         while(b>0){
31             e=b%10;
32             c+=e*d;
33             d*=2;
34             b/=10;
35         }
36         sprintf(hex, "%X", c);
37         printf("Hexadecimal = %s\n", hex);
38     }
39 }

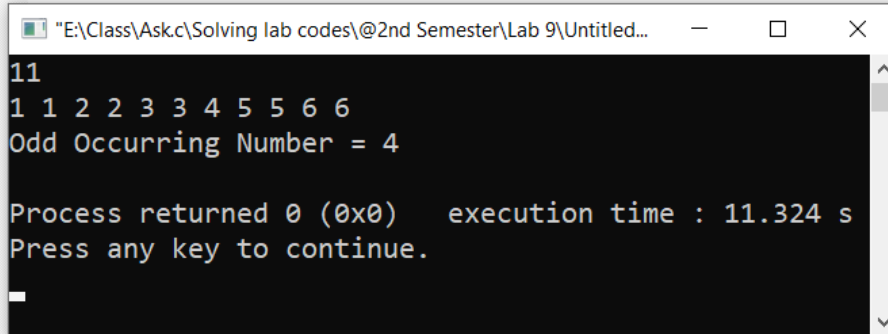
```

```

E:\Class\Ask.c\Solving lab codes\@2nd Semester\Lab 9\Untitled...
Press 1 for Hexadecimal-Binary
Press 2 for Binary-Hexadecimal
1
Hexadecimal = A5B7
Binary = 1010010110110111
Process returned 0 (0x0)   execution time : 9.252 s
Press any key to continue.

```

```
1  #include<stdio.h>
2  #include<string.h>
3  #include<stdlib.h>
4  #include<ctype.h>
5  #include<math.h>
6  int main() {
7      int arr[1000];
8      int n;
9      scanf("%d", &n);
10     for(int i=0; i<n; i++) scanf("%d", &arr[i]);
11     int f=0;
12     for(int i=0; i<n; i++) f^=arr[i];
13     printf("Odd Occurring Number = %d\n", f);
14 }
15
```



```
"E:\Class\Ask.c\Solving lab codes\@2nd Semester\Lab 9\Untitled..."
11
1 1 2 2 3 3 4 5 5 6 6
Odd Occurring Number = 4

Process returned 0 (0x0)   execution time : 11.324 s
Press any key to continue.
_
```