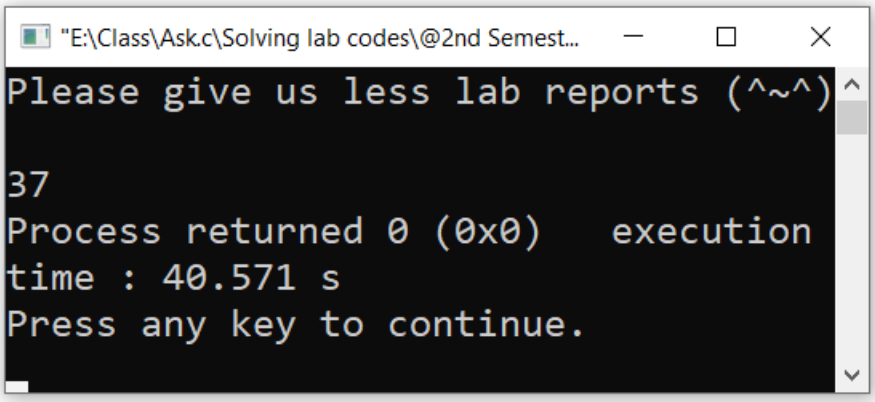
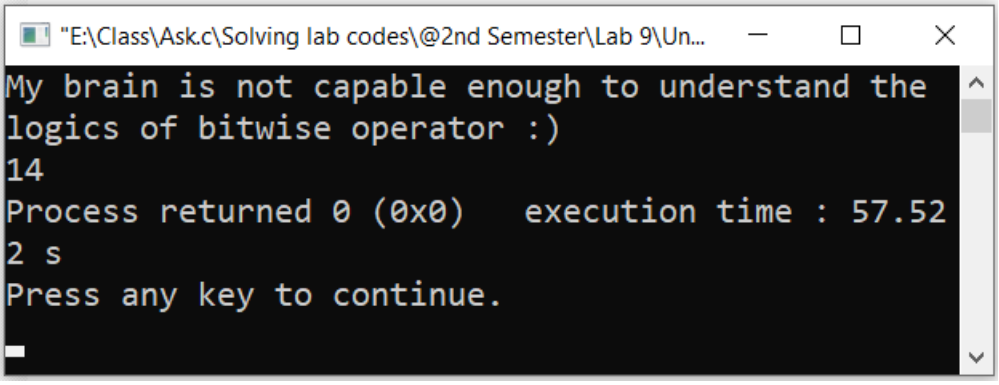
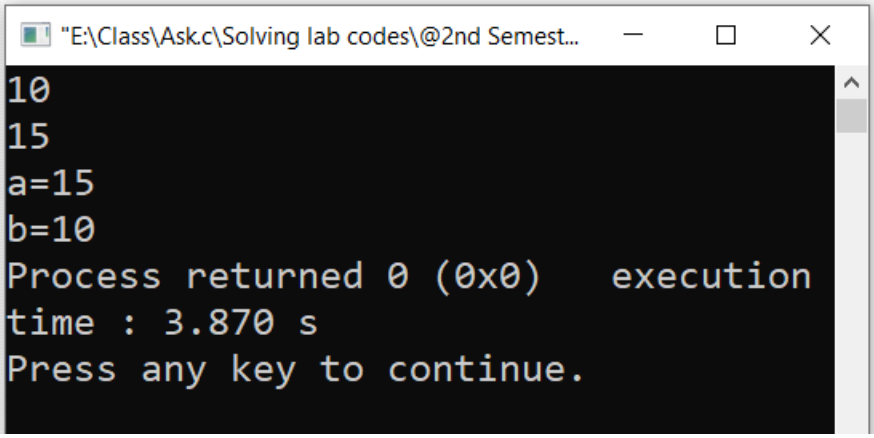
```c
#include<stdio.h>
#include<string.h>
int main(){
    char n[10001];
    gets(n);
    int i;
    for(i=0; i<10001; i++){
        if(n[i]=='\0') break;
    }
    printf("%d", i);
}
```



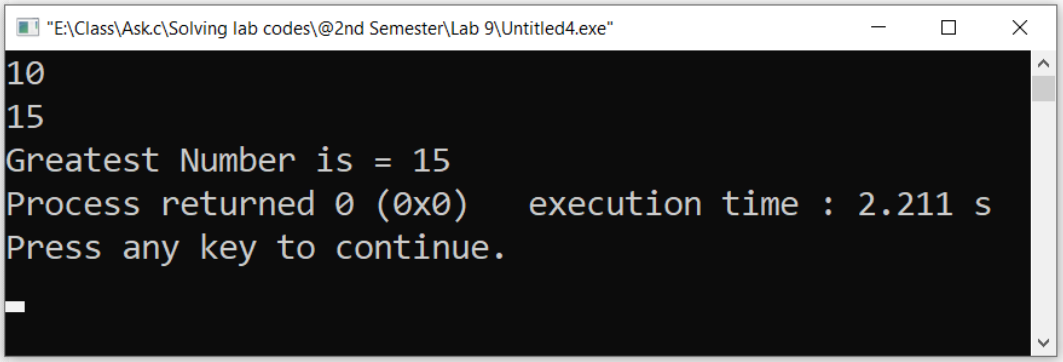
```c
#include<stdio.h>
#include<string.h>
int main(){
    char n[10001];
    gets(n);
    int i=0, a=0;
    while(n[i]!='\0'){
        if(n[i]==' ') a++;
        i++;
    }
    printf("%d", a+1);
}

```



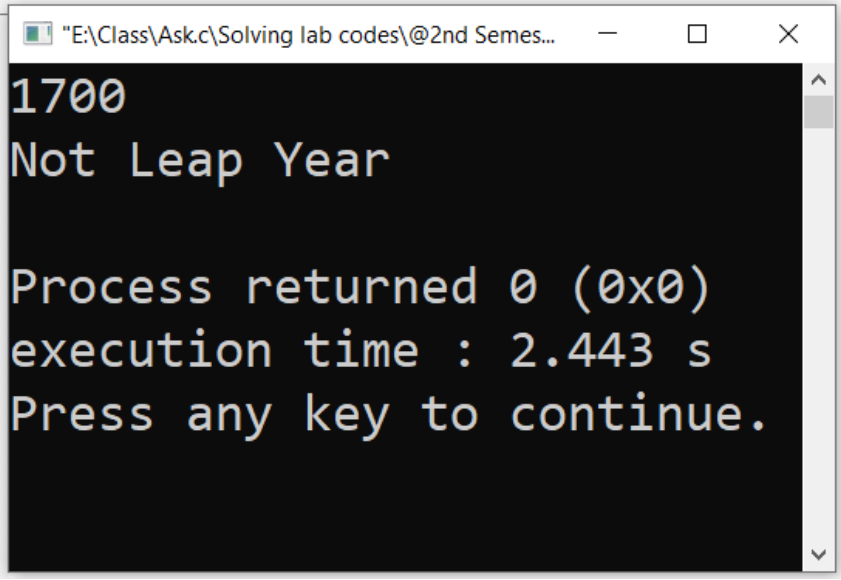
```c
#include<stdio.h>
#include<string.h>
int main(){
    int a, b, c, d, e, f;
    scanf("%d%d", &a, &b);
    a=a^b;
    b=a^b;
    a=a^b;
    printf("a=%d\nb=%d", a, b);
}
```



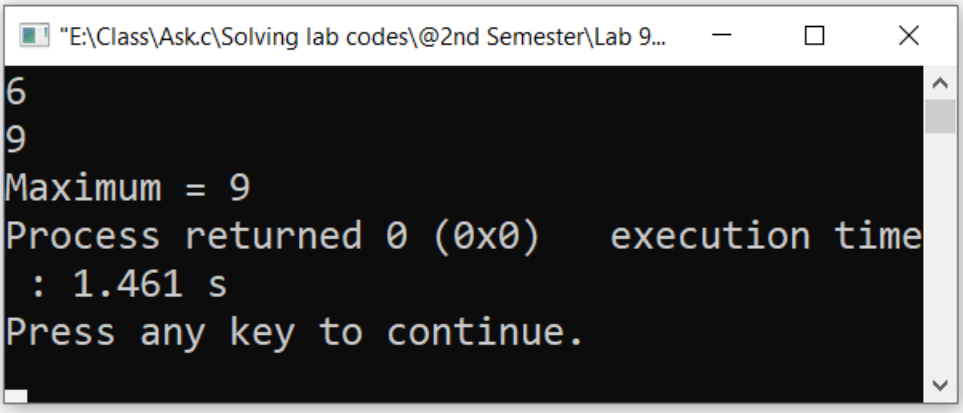
```c
#include<stdio.h>
#include<string.h>
int main(){
    int a, b;
    scanf("%d%d", &a, &b);
    printf("Greatest Number is = %d", (a>b)?a:b);
}

```



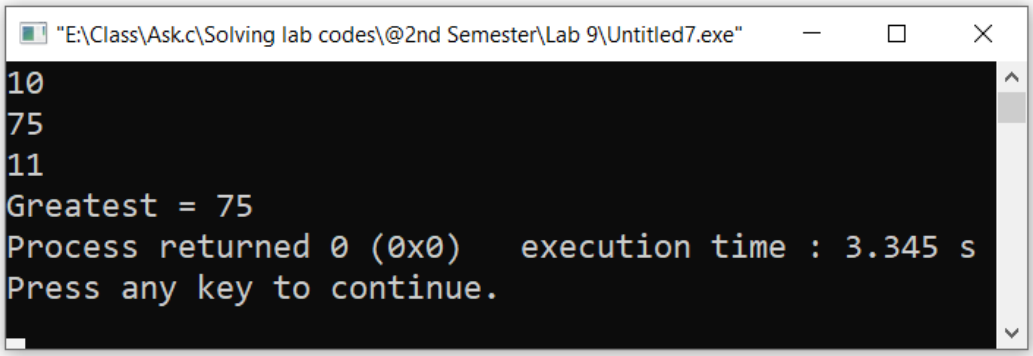
```c
#include<stdio.h>
#include<string.h>
int main(){
    int m;
    scanf("%d", &m);
    (m%400==0||(m%4==0&&m%100!=0))
    ?printf("Leap Year\n")
    :printf("Not Leap Year\n");
}
```



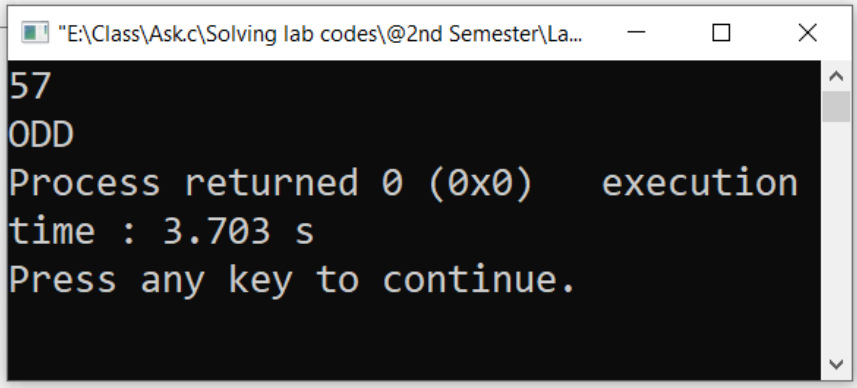
```c
#include<stdio.h>
#include<string.h>
int main(){
    int a, b;
    scanf("%d%d", &a, &b);
    printf("Maximum = %d", (a>b)?a:b);
}

```



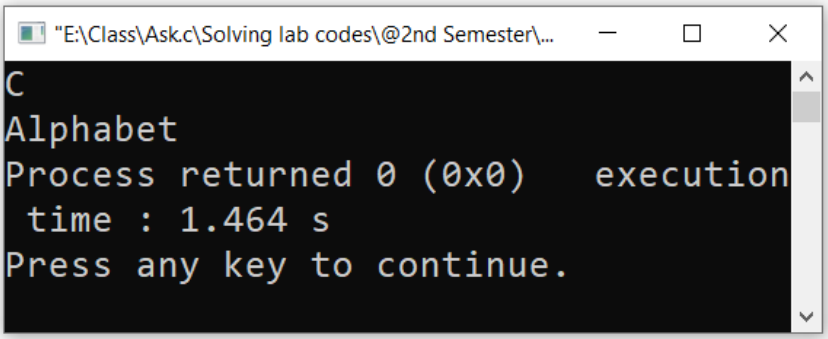
```c
#include<stdio.h>
#include<string.h>
int main(){
    int a, b, c;
    scanf("%d%d%d", &a, &b, &c);
    printf("Greatest = %d", (a>b)?((a>c)? a:c):((b>c)?b:c));
}
```



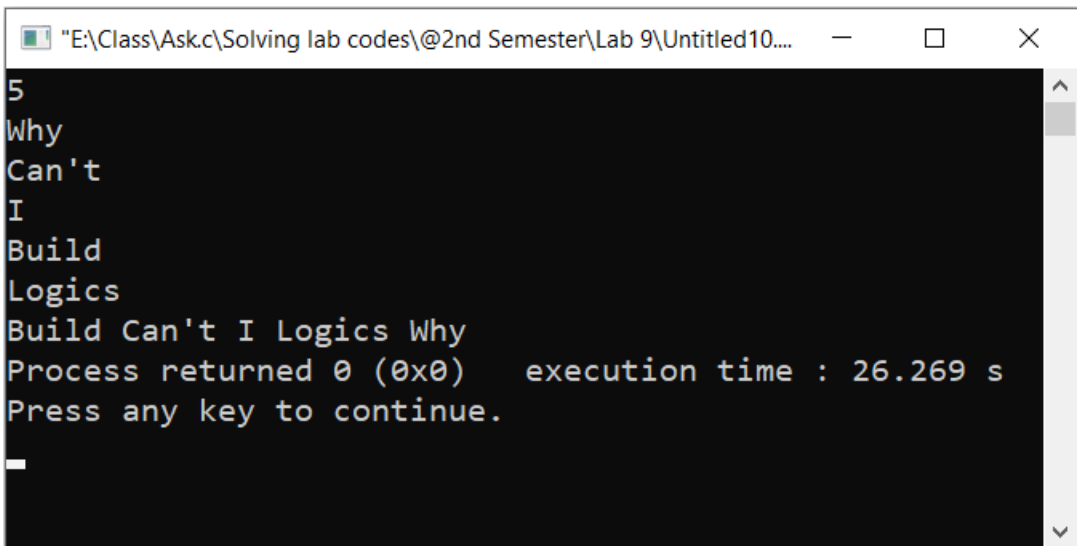
```c
#include<stdio.h>
#include<string.h>
int main(){
    int a;
    scanf("%d", &a);
    (a%2)?printf("ODD")
    :printf("EVEN");
}
```



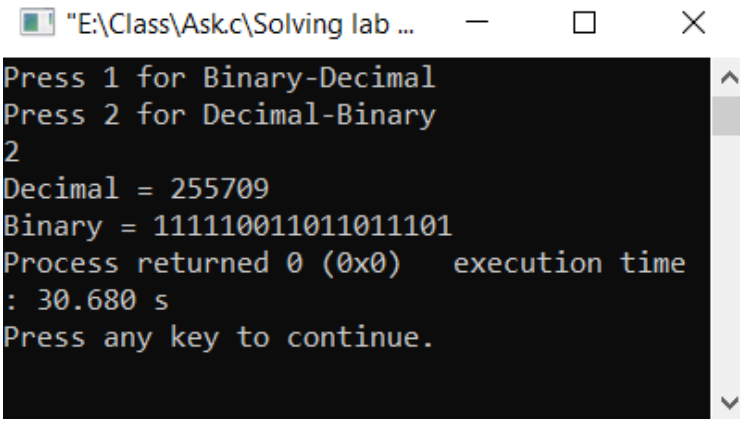
```c
#include<stdio.h>
int main(){
    char a;
    scanf(" %c", &a);
    ((a>=65&&a<=90)||(a>=97&&a<=122))
    ?printf("Alphabet")
    :printf("Not Alphabet");
}

```



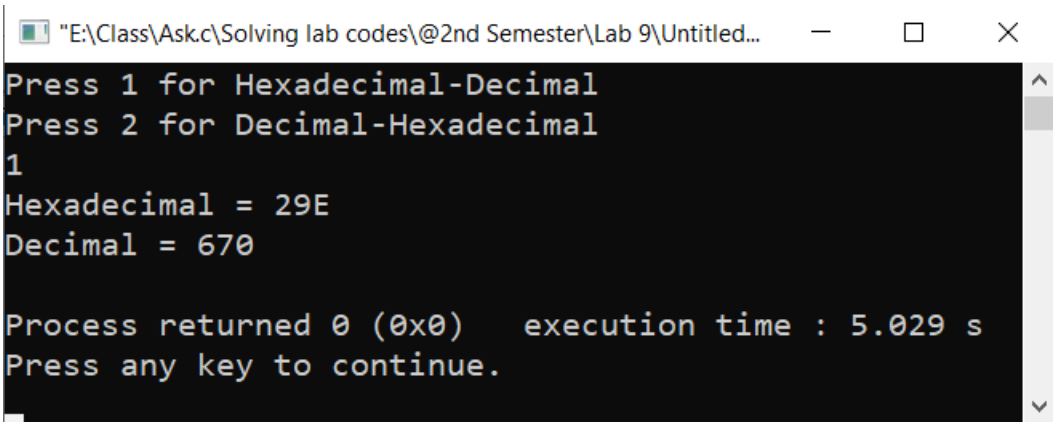
```c
#include<stdio.h>
#include<string.h>
#include<stdlib.h>
#include<ctype.h>
#include<math.h>
int main(){
    char a[1000][1000], e[1000];
    int b;
    scanf("%d", &b);
    for(int i=0; i<b; i++) scanf("%s", a[i]);
    for(int i=0; i<b; i++){
        for(int j=i; j<b; j++){
            if(strcmp(a[i], a[j])>0){
                strcpy(e, a[i]);
                strcpy(a[i], a[j]);
                strcpy(a[j], e);
            }
        }
    }
    for(int i=0; i<b; i++) printf("%s ", a[i]);
}

```



```c
#include<stdio.h>
#include<string.h>
#include<stdlib.h>
#include<ctype.h>
#include<math.h>
int main(){
    int a, b, c, d, e, f;
    printf("Press 1 for Binary-Decimal\n");
    printf("Press 2 for Decimal-Binary\n");
    scanf("%d", &a);
    if(a==1){
        printf("Binary = ");
        scanf("%d", &b);
        c=0, d=1;
        while(b>0){
            e=b%10;
            c+=e*d;
            d*=2;
            b/=10;
        }
        printf("Decimal = %d\n", c);
    }
    else if(a==2){
        int arr[32], i=0;
        printf("Decimal = ");
        scanf("%d", &b);
        while(b>0){
            arr[i]=b%2;
            b/=2;
            i++;
        }
        printf("Binary = ");
        for(int j=i-1; j>=0; j--)
            printf("%d", arr[j]);
    }
}
```



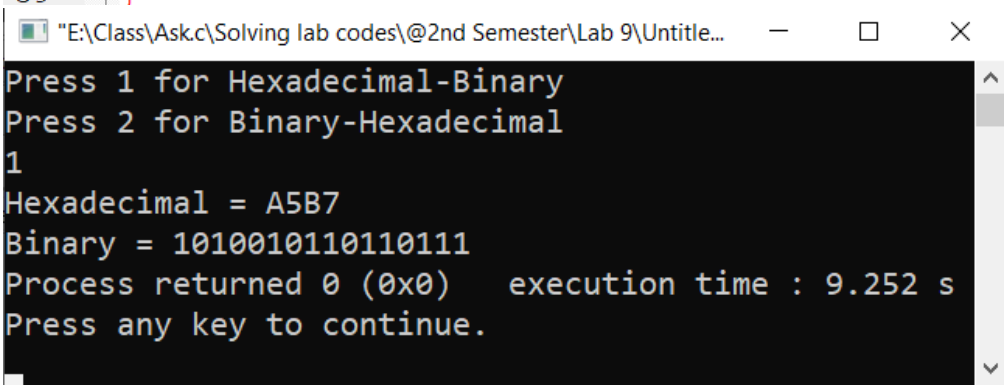
```c
#include<stdio.h>
#include<string.h>
#include<stdlib.h>
#include<ctype.h>
#include<math.h>
int main(){
    int a, b, c, d, e, f;
    printf("Press 1 for Hexadecimal-Decimal\n");
    printf("Press 2 for Decimal-Hexadecimal\n");
    scanf("%d", &a);
    if(a==1){
        printf("Hexadecimal = ");
        char hex[20];
        scanf("%s", hex);
        b=strtol(hex, NULL, 16);
        printf("Decimal = %d\n", b);
    }
    else if(a==2){
        char hex[20];
        printf("Decimal = ");
        scanf("%d", &b);
        sprintf(hex, "%X", b);
        printf("Hexadecimal = %s\n", hex);
    }
}
```



```c
#include <stdio.h>
#include <string.h>
#include <stdlib.h>
#include <ctype.h>
#include <math.h>
int main(){
    int n, a=0, b=0;
    char hex[20], oct[12];
    printf("Press 1 for Hexadecimal-Octal\n");
    printf("Press 2 for Octal-Hexadecimal\n");
    scanf("%d", &n);
    if(n==1){
        printf("Hexadecimal = ");
        scanf("%s", hex);
        sscanf(hex, "%X", &a);
        int i=0;
        while(a>0){
            oct[i]=a%8;
            a/=8;
            i++;
        }
        printf("Octal = ");
        for(int j= i-1; j>=0; j--) printf("%d", oct[j]);
    }
    else if(n==2){
        printf("Octal = ");
        scanf("%s", oct);
        sscanf(oct, "%o", &b);
        printf("Hexadecimal = %X", b);
    }
}
```

```
"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.
```

```c
#include<stdio.h>
#include<string.h>
#include<stdlib.h>
#include<ctype.h>
#include<math.h>
int main(){
    int a, b, c, d, e, f;
    printf("Press 1 for Hexadecimal-Binary\n");
    printf("Press 2 for Binary-Hexadecimal\n");
    scanf("%d", &a);
    if(a==1){
        printf("Hexadecimal = ");
        char hex[20];
        scanf("%s", hex);
        b=strtol(hex, NULL, 16);
        int arr[32], i=0;
        while(b>0){
            arr[i]=b%2;
            b/=2;
            i++;
        }
        printf("Binary = ");
        for(int j=i-1; j>=0; j--) printf("%d", arr[j]);
    }
    else if(a==2){
        char hex[20];
        printf("Binary = ");
        scanf("%d", &b);
        c=0, d=1;
        while(b>0){
            e=b%10;
            c+=e*d;
            d*=2;
            b/=10;
        }
        sprintf(hex, "%X", c);
        printf("Hexadecimal = %s\n", hex);
    }
}
```



```c
#include<stdio.h>
#include<string.h>
#include<stdlib.h>
#include<ctype.h>
#include<math.h>
int main(){
    int arr[1000];
    int n;
    scanf("%d", &n);
    for(int i=0; i<n; i++) scanf("%d", &arr[i]);
    int f=0;
    for(int i=0; i<n; i++) f^=arr[i];
    printf("Odd Occurring Number = %d\n", f);
}
```