```c
#include <stdio.h>

void draw(int i);

int main() {

        for (int i=1; i<=4; i++)
                draw (i);

        for (int i=3; i>=1; i--)
                draw (i);

return 0;
}


void draw(int i) {

        for (int j=1; j<=4-i; j++)
                printf(" ");

        if (i==1)
                printf("*");
        else {
                printf("*");
                for (int k=1; k<=(2*i-3); k++)
                        printf(" ");
                printf("*");
        }

        for (int p=1; p<=4-i; p++)
                printf(" ");

        printf("\n");

return;
}
```

```c
#include <stdio.h>

int is_valid_date(int year, int month, int day);
int is_leap_year(int year);

int main(void) {
        int year, month, day;

        printf("ì\227°ë\217\204ë¥¼ ì\236\205ë ¥í\225\230ì\204¸ì\232\224: ");
        scanf("%d", &year);

        printf("ì\233\224ì\235\204 ì\236\205ë ¥í\225\230ì\204¸ì\232\224: ");
        scanf("%d", &month);

        printf("ì\235¼ì\235\204 ì\236\205ë ¥í\225\230ì\204¸ì\232\224: ");
        scanf("%d", &day);

        int temp;

                temp = is_valid_date(year, month, day);

        if (temp)
                printf("ì\234 í\232¨í\225\234
ë\202 ì§\234ì\236\205ë\213\210ë\213¤.\n");
        else
                printf("ì\234 í\232¨í\225\230ì§\200 ì\225\212ì\235\200
ë\202 ì§\234ì\236\205ë\213\210ë\213¤.\n");

return 0;
}


int is_valid_date(int year, int month, int day) {

        int temp;
        int result=0;

        temp = is_leap_year(year);

        if (month==1 || month==3 || month==5 || month==7 || month==8 || month==10
|| month==12) {

                if (day > 0 && day <= 31)
                        result = 1;

        } else if (month==4 || month==6 || month==9 || month==11) {

                if (day > 0 && day <= 30)
                                result = 1;
        } else if (month==2) {

                if (temp) {

                        if (day > 0 && day <= 29)
                                result = 1;
                } else {

                        if (day > 0 && day <= 28)
                                result = 1;

                }
        }

return result;
}


int is_leap_year(int year) {

        int result;

        if ((year%4==0 && year%100!=0) || (year%400==0))
                result = 1;
        else
                result = 0;

return result;
}
```

```c
#include <stdio.h>

int sum(unsigned int x);

int main(void) {

        unsigned int num;
        int temp, step=2;

        printf("ì\236\205ë ¥  > ");
        scanf("%u", &num);

        temp = sum(num);

        while (1) {
                if ( temp >= 10 ) {
                        temp = sum(temp);
                        step++;
                } else {
                        break;
                }
        }

        printf("ì¶\234ë ¥  > %d  %d\n", step, temp);

return 0;

}

int sum(unsigned int x) {

        int hap=0;
        unsigned int temp;

        temp = x;

        while (1) {

                hap = hap + (temp % 10);

                if (temp/10 == 0)
                        break;

                temp = (temp / 10);
        }

return hap;
}
```

```c
#include <stdio.h>

int get_median(int x, int y, int z);

int main(void) {

        int n1, n2, n3;
        int median;

        printf("ì\204¸ ê°\234ì\235\230 ì \225ì\210\230ë¥¼
ì\236\205ë ¥í\225\230ì\204¸ì\232\224: ");
        scanf("%d %d %d", &n1, &n2, &n3);

        median = get_median(n1, n2, n3);

        printf("ì¤\221ì\225\231ê°\222ì\235\200 %dì\236\205ë\213\210ë\213¤. \n",
median);

return 0;
}


int get_median(int x, int y, int z) {

        int median;

        if ((x>y && x<z) || (x>z && x<y))
                median = x;
        else if ((x<y && y<z) || (z<y && y<x))
                median = y;
        else if ((z>x && z<y) || (z>y && z<x))
                median = z;

return median;
}
```

```c
#include <stdio.h>

int main(void) {

        int year;

        printf("ì\227°ë\217\204ë¥¼ ì\236\205ë ¥í\225\230ì\204¸ì\232\224: ");
        scanf("%d", &year);

        if ((year % 4 == 0 && year % 100 != 0) || (year % 400 == 0))
                printf("%dë\205\204ì\235\200
ì\234¤ë\205\204ì\236\205ë\213\210ë\213¤.\n", year);
        else
                printf("%dë\205\204ì\235\200 ì\234¤ë\205\204ì\235´
ì\225\204ë\213\231ë\213\210ë\213¤.\n", year);

return 0;
}
```

```c
#include <stdio.h>

int abs_compare(int a, int b);

int main(void) {

        int n1, n2;
        int temp;

        printf("ë\221\220 ì \225ì\210\230ë¥¼ ì\236\205ë ¥í\225\230ì\204¸ì\232\224: ");
        scanf("%d %d", &n1, &n2);

        temp = abs_compare(n1, n2);

        printf("ì \210ë\214\223ê°\222ì\235´ ë\215\224 í\201° ì\210\230ë\212\224 %dì\236\205ë\213\210ë\213¤.\n", temp);

return 0;
}


int abs_compare(int a, int b) {

        int n1, n2;
        int temp;

        n1 = a, n2 = b;

        if (a < 0)
                n1 = -n1;
        if (b < 0)
                n2 = -n2;

        if (n1 >= n2)
                temp = a;
        else
                temp = b;

return temp;
}
```

```c
#include <stdio.h>

int main(void) {

        int score;

        printf("ì \220ì\210\230ë¥¼ ì\236\205ë ¥í\225´ì£¼ì\204¸ì\232\224: ");
        scanf("%d", &score);

        if (score > 100 || score < 0)
                printf("0~100 ì\202¬ì\235´ì\235\230 ì \220ì\210\230ë¥¼
ì\236\205ë ¥í\225\230ì\204¸ì\232\224.\n");
        else if (score >= 90 && score <= 100)
                printf("ë\223±ê¸\211: A\n");
        else if (score >= 80 && score < 90)
                printf("ë\223±ê¸\211: B\n");
        else if (score >= 70 && score < 80)
                printf("ë\223±ê¸\211: C\n");
        else if (score >= 60 && score < 70)
                printf("ë\223±ê¸\211: D\n");
        else
                printf("ë\223±ê¸\211: F\n");

return 0;
}
```

```c
#include <stdio.h>

int main (void) {

        int n1, n2, n3;
        int min, temp;

        printf("ì\204¸ ê°\234ì\235\230 ì \225ì\210\230ë¥¼
ì\236\205ë ¥í\225\230ì\204¸ì\232\224: ");
        scanf("%d %d %d", &n1, &n2, &n3);

        min = n1;

        if (n2 < min)
                min = n2;
        if (n3 < min)
                min = n3;

        if (min % 2 == 0)
                printf("ê°\200ì\236¥ ì\236\221ì\235\200 ì\210\230ë\212\224
%dì\235´ê³ , ì§\235ì\210\230ì\236\205ë\213\210ë\213¤.\n", min);
        else
                printf("ê°\200ì\236¥ ì\236\221ì\235\200 ì\210\230ë\212\224
%dì\235´ê³ , í\231\200ì\210\230ì\236\205ë\213\210ë\213¤.\n", min);

return 0;
}
```

```c
#include <stdio.h>

int reverse_number(int num);

void is_palindrome(int num, int rev_num);

int main(void) {

        int num, rev_num;

        printf("ì\204¸ ì\236\220ë¦¬ ì \225ì\210\230ë¥¼
ì\236\205ë ¥í\225\230ì\204¸ì\232\224: ");
        scanf("%d", &num);

        if (num >= 100 && num < 1000) {
                rev_num = reverse_number(num);

                printf("ë\222¤ì§\221ì\235\200 ì\210\230ë\212\224
%dì\236\205ë\213\210ë\213¤.\n", rev_num);

                        is_palindrome(num, rev_num);
        } else
                printf("ì\204¸ ì\236\220ë¦¬ ì \225ì\210\230ê°\200
ì\225\204ë\213\231ë\213\210ë\213¤.\n");

return 0;
}


int reverse_number(int num) {

        int n1, n2, n3;
        int temp;

        temp = num;

        n3 = temp % 10;
        temp = temp / 10;

        n2 = temp % 10;
        temp = temp / 10;

        n1 = temp;


        int rev_num;

        rev_num = n3*100 + n2*10 + n1;

return rev_num;
}


void is_palindrome(int num, int rev_num) {

        if (num == rev_num)
                printf("í\232\214ë¬¸ì\236\205ë\213\210ë\213¤.\n");
        else
                printf("í\232\214ë¬¸ì\235´ ì\225\204ë\213\231ë\213\210ë\213¤.\n");

return;
}
```

```c
#include <stdio.h>

int is_triangle(int a, int b, int c);
void triangle_type(int a, int b, int c);

int main(void) {

        int a, b, c;
        int temp;

        printf("ì\204¸ ë³\200ì\235\230 ê¸¸ì\235´ë¥¼
ì\236\205ë ¥í\225\230ì\204¸ì\232\224: ");
        scanf("%d %d %d", &a, &b, &c);

        temp = is_triangle(a, b, c);

        if (temp) {
                printf("ì\202¼ê°\201í\230\225 ê°\200ë\212¥: ");
                triangle_type(a, b, c);
        } else
                printf("ì\202¼ê°\201í\230\225ì\235\204 ë§\214ë\223¤ ì\210\230
ì\227\206ì\212µë\213\210ë\213¤.\n");

return 0;
}


int is_triangle(int a, int b, int c) {

        int result;

        if ((a+b>c) && (a+c>b) && (b+c>a))
                result = 1;
        else
                result = 0;

return result;
}


void triangle_type(int a, int b, int c) {

        if (a==b && b==c)
                printf("ì \225ì\202¼ê°\201í\230\225\n");
        else if (a==b || b==c || a==c)
                printf("ì\235´ë\223±ë³\200ì\202¼ê°\201í\230\225\n");
        else
                printf("ì\235¼ë°\230 ì\202¼ê°\201í\230\225\n");

return;
}
```