

pyramid

```
#include <stdio.h>
int main()
{
    // pyramid
    int i, j, k;
    for (i= 1;i -
<=5 ;i++)
    {
        for -
(j= i;j <5;j++)
        {
            pri nt f ( " ");
            for -
(k= 1;k <(i *2) ;k++)
            {
                pri nt f ("*");
            }
            pri -
nt f ("\n ");
        }
    }
```

no 2 flipped

```
int main()
{
    // no 2 flipped
    int i, j, k;
    for (i= 5;i -
>=1 ;i--)
    {
        for -
(j= 5;j >i;j--)
        {
            pri nt f ( " ");
        }
        for -
(k= 1;k <=i ;k++)
        {
```

no 2 flipped (cont)

```
>        printf("***");
    }
    printf("\n");
}
}
```

no 2 reflected

```
{
    // no 2 reflected
    int i, j, k;
    for (i= 5;i -
>=1 ;i--)
    {
        for -
(j= 1;j <i;j++)
        {
            pri nt f ( " ");
        }
        for -
(k= 5;k >=i ;k--)
        {
            pri nt f ("*");
        }
        pri -
nt f ("\n ");
    }
    return 0;
}
```

upside down pyramid

```
int main()
{
    // upside down pyramid
    int i, j, k;
    for (i= 5;i -
>=1 ;i--)
    {
```

upside down pyramid (cont)

```
>        for(j=5;j>i;j--)
    {
        printf(" ");
    }
    for(k=1;k<(i*2);k++)
    {
        printf("***");
    }
    printf("\n");
}
```

bizz buzz bozz

```
void main()
{
    int num;
    printf ("Please enter a
number. \nNumb er: ");
    scanf( " %d", &num);
    int hund, ten, ones,
mod;
    hund = num / 100;
    ten = num / 10 % 10;
    ones=num%10;
    mod=num%7;
    if(((hund ==6 )|| (te -
n== 6)| |(o nes ==6)) &&
(mod==0))
    printf ("bo zz \n");
    else if(((hund -
==6 )|| (te n== 6)| |
(o nes ==6)) &&
(mod!=0))
    printf ("bu zz \n");
```

bizz buzz bozz (cont)

```
> else if(((hund!=6)|| (ten!=6)|| (o-
nes!=6)) && (mod==0))
    printf("bizz\n");
    else
    printf("%d\n",num);
    printf("Thank you for playing
bizz buzz bozz. You just won
$1,000,000!");
}
```

stuff to know

int	-2,147,483,648 to +1,147,483,647
float	4bytes,contain 1 digit/decimal, +- 10^38, 7digitsprecision,f, illegalfloats: 6.2.2f,6.-- 3f,6.2
double	8bytes,+-10^-308,14digitprecise
types of c statements	declarations/arithmetic instructions/control instructions