

÷ Assignment-8 ÷

```
1. int main()
{
    int i, j;
    for (i=1; i<=5; i++)
    {
        for (j=1; j<=5; j++)
        {
            if (j>=1 && j<=i)
                printf("x");
            else
                printf(" ");
        }
        printf("\n");
    }
    return 0;
}
```

```
2. int main()
{
    int i, j;
    for (i=1; i<=5; i++)
    {
        for (j=1; j<=5; j++)
        {
            if (j>=6-i)
                printf("x");
            else
                printf(" ");
        }
        printf("\n");
    }
    return 0;
}
```

```
int main()
```

```
{ int i, j;
```

```
for (i=1; i<=5; i++)
```

```
{ for (j=1; j<=5; j++)
```

```
{ if (j = 6-i)
```

```
printf(" * ");
```

```
else
```

```
printf("  ");
```

```
}
```

```
printf("\n");
```

```
}
```

```
int main()
```

```
{ int i, j;
```

```
for (i=1; i<=5; i++)
```

```
{ for (j=1; j<=5; j++)
```

```
{ if (j >= i && j <= 5)
```

```
printf(" * ");
```

```
else
```

```
printf("  ");
```

```
}
```

```
printf("\n");
```

```
}
```

```
return 0;
```

```
}
```



```
5. int main()
{   int i, j;
    for (i = 1; i <= 5; i++)
    {   for (j = 1; j <= 9; j++)
        {   if (j >= 6 - i && j <= i)
            printf (" * ");
            else
                printf (" ");
        }
        printf ("\n");
    }
    printf ("\n");
    return 0;
}
```

```
6. int main()
{   int i, j;
    for (i = 1; i <= 5; i++)
    {   for (j = 1; j <= 9; j++)
        {   if (j >= i && j <= 10 - i)
            printf (" * ");
            else
                printf (" ");
        }
        printf ("\n");
    }
    printf ("\n");
    return 0;
}
```

```

int main()
{
    int i, j;
    for(i=1; i<=5; i++)
    {
        for(j=1; j<=10; j++)
        {
            if(j<=6-i || j>=5+i)
                printf("x");
            else
                printf(" ");
        }
        printf("\n");
    }
    printf("\n");
    return 0;
}

```

```

int main()
{
    int i, j;
    for(i=1; i<=5; i++)
    {
        for(j=1; j<=5; j++)
        {
            if(j<=i)
            {
                if(i>=3 || i<=4)
                    printf("x");
            }
            else
                printf(" ");
        }
    }
}

```



```

int main()
{
    int i, j;
    for (i=0; i<=4; i++)
    {
        for (j=0; j<=8; j++)
        {
            if (j==4-i || j==4+i || j==4)
                printf ("X");
            else
                printf (" ");
        }
        printf ("\n");
    }
    return 0;
}

```

```

int main()
{
    int i, j;
    for (i=0; i<5; i++)
    {
        for (j=0; j<5; j++)
        {
            if (j==0 || i==j || j==4)
                printf ("X");
            else
                printf (" ");
        }
        printf ("\n");
    }
    return 0;
}

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```

int main()
{
    int i, j, k;
    for (i = 0; i <= 3; i++)
    {
        k = 0;
        for (j = 0; j <= 3; j++)
        {
            k = 0;
            for (l = 0; l <= 3 - j; l++)
                printf("%d", ++k);
            k--;
            while (k)
                printf("%d", k--);
            printf("\n");
        }
        return 0;
    }
}

```

```

int main()
{
    int i, j, k;
    for (i = 0; i <= 3; i++)
    {
        k = 0;
        for (j = 0; j < i; j++)
            printf(" ");
        for (j = 0; j <= 3 - i; j++)
            printf("%d", ++k);
        k--;
        while (k)
            printf("%d", k--);
        printf("\n");
    }
}

```



```

int main()
{
    int i, j, k;
    for(i=0; i<=3; i++)
    {
        k=0;
        for(j=0; j<=3-i; j++)
            printf("%d", ++k);
        for(j=0; j<=(2*i-1); j++)
            printf(" ");
        if(i==0)
            --k;
        while(k)
            printf("%d", k--);
        printf("\n");
    }

    return 0;
}

```

```

int main()
{
    int i, j, k;
    for(i=0; i<=4; i++)
    {
        k=64;
        for(j=0; j<=3-i; j++)
            printf(" ");
        for(j=0; j<=i; j++)
            printf("%c", ++k);
        --k;
        while(k!=64)
            printf("%c", k--);
        printf("\n");
    }

    printf("\n");

    return 0;
}

```

```

int main()
{
    int i, j, k;
    for (i = 0; i <= 3; i++)
    {
        k = 64;
        for (j = 0; j < i; j++)
        {
            printf(" ");
            for (j = 0; j <= 3 - i; j++)
                printf("%c", ++k);
            --k;
            while (k != 64)
                printf("%c", k--);
            printf("\n");
        }
        printf("\n");
    }
    return 0;
}

```

```

int i, j, k;
for (i = 0; i <= 6; i++)
{
    k = 64;
    for (j = 0; j < 7 - i; j++)
        printf("%c", ++k);
    for (j = 0; j < 2 * i - 1; j++)
        printf(" ");
    if (i == 0)
        --k;
    while (k != 64)
        printf("%c", k--);
    printf("\n");
}
return 0;
}

```



```

int main()
{
    int i, j;
    for (i = 0; i <= 4; i++)
    {
        for (j = 0; j <= 4; j++)
        {
            if (j == 4 - i || j == 4 || i == 4)
                printf("x");
            else
                printf(" ");
        }
        printf("\n");
    }
}

```

```

int main()
{
    int i, j;
    for (i = 0; i <= 4; i++)
    {
        for (j = 0; j <= 8; j++)
        {
            if (j == 8 - i || j == i || i == 0)
                printf("x");
            else
                printf(" ");
        }
        printf("\n");
    }
    printf("\n");
    return 0;
}

```