

| | | | |
|--|--|--|---|
| <pre> int i=1 while(i<=n){ i++; } </pre> | <pre> i=1 while(i<=n){ i=i*2; } </pre> | <pre> while(n>1){ n=n-1; } </pre> | <pre> while(n>1){ n=n/3; } </pre> |
| <pre> i=1 while(i<=n){ i=i+2; } </pre> | <pre> i=1 while(i<=n){ i=i*3; } </pre> | <pre> while(n>1){ n=n-2; } </pre> | <pre> while(n>1){ n=n/2; n=n/6; } </pre> |
| <pre> i=1 while(i<=n){ i=i+2; i=i+3; } </pre> | <pre> i=1 while(i<=n){ i=i*2; i=i*3; } </pre> | <pre> while(n>1){ n=n-K; } </pre> | <pre> while(n>1){ n=n/K; } </pre> |
| <pre> i=1 while(i<=n){ i=i*K; } </pre> | <pre> i=1 while(i<=n){ i=i*K; } </pre> | <pre> while(n>1){ n=n/2; } </pre> | |

Q1

```

for ( i=0 ; i<=n ; i++) {
    syso (i);
}

```

to \sqrt{n}
 $O(n)$

Q2

```

int i, j, k;
for (i=1; i<=n; i++) {
    for (j=1; j<=i; j++) {
        for (k=1; k<=1000; k++) {
            syso ("XD");
        }
    }
}

```

Q3

```

for ( i = 1 ; i ≤ n ; i++ ) {
    for ( j = 1 ; j ≤ i2 ; j++ ) {
        for ( k = 1 ; k ≤ n/2 ; k++ ) {
            syso( " Ques Karo " );
        }
    }
}

```

Q4

```

for ( i = 1 ; i ≤ n ; i = i * 2 ) {
    syso( );
}

```

Q5

```

for ( i = n/2 ; i ≤ n ; i++ ) {
    for ( j = 1 ; j ≤ n/2 ; j++ ) {
        for ( k = 1 ; k ≤ n ; k = k * 2 ) {
            syso( " Try Karo " );
        }
    }
}

```

Q6

```

for ( i = n/2 ; i ≤ n ; i++ ) {
    for ( j = 1 ; j ≤ n ; j = j * 2 ) {
        for ( k = 1 ; k ≤ n ; k = k * 2 ) {
            Syso ( "      " );
        }
    }
}

```

Q7

```

for ( i = 1 ; i ≤ n ; i++ ) {
    for ( j = 1 ; j ≤ n ; j = j + i ) {
        Syso ( "Copy for Karo" );
    }
}

```

↓

Q

```

for ( i = 1 ; i ≤ n ; i = i + n/k ) {
    for ( j = 1 ; j ≤ k ; j++ ) {
        Syso ( "Table" );
    }
}

```

Karo