

```
// loop: for statement
```

```
// simple for
```

```
#include <stdio.h>
```

```
int main()
```

```
{
    int i;
    for(i=0;i<10;i++)
    {
        printf("\n # iterations: %d",i);
    }
    return 0;
}
```

```
// no need to braces - body is single statement
```

```
#include <stdio.h>
```

```
int main()
```

```
{
    int i;
    for(i=0;i<10;i++)
        printf("\n # iterations: %d",i);
    return 0;
}
```

```
////////////////////////////////////
```

```
// loop that does not start
```

```
#include <stdio.h>
```

```
int main()
```

```
{
    int i;
    for(i=0;i<-2;i++)
        printf("\n # iterations: %d",i);
    printf("\n i value = %d",i);
    return 0;
}
```

```
/// loop with different increment
```

```
#include <stdio.h>
```

```
int main()
```

```
{
    int i;
    for(i=0;i<10;i+=2)
        printf("\n # iterations: %d",i);
    return 0;
}
```

```
////////////////////////////////////
```

```
// loop with floating index, and increment
```

```
#include <stdio.h>
```

```
int main()
```

```
{
    float i;
```

```

        for(i=0;i<1;i+=0.1)
            printf("\n # iterations: %f",i);
        return 0;
    }
    //////////////////////////////////////
    // ASCII Table
    #include <stdio.h>
    #include <stdlib.h>
    main()
    {
        int n;
        for (n = 0;n<256;n++){
            printf("%3d=%c\t",n,n);
        }
    }
    //////////////////////////////////////
    // print line of chars
    #include <stdio.h>
    main()
    {
        int i;
        for(i = 1;i<=40;i++)
        {
            printf("\xCD");
        }
        getch();
    }

```