

Simple Program in C

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

```
main() {
```

```
    int a;
```

```
    a = 5;
```

```
    printf("%d\n", a);
```

```
    printf("%x\n", a);
```

```
}
```

Order Notation

$f(n)$ is of the order of $g(n)$

$$\Rightarrow f(n) \leq c \cdot g(n)$$

for $\forall n$, such that $n \geq n_0$ \rightarrow fixed

Assignment $\rightarrow x! > 2^{32} - 1$
Find $x \rightarrow$ Exam

