

What is Syntax?

CHAPTER 16



SURESH TECHS

C PROGRAMMING COURSE

What is a program?

- **Set of instructions** used to perform a task

```
#include<stdio.h>
int main() {
    int number;
    printf("Enter a number: ");
    scanf("%d", &number);
    int result = number * 20;
    printf("%d", result);
    return 0;
}
```

These instructions are formed using certain symbols and words according to **some rules known as syntax rules**

Grammar, Rules

నక్కల కొడదాం భీమ్ పదా ఈ బద్దలు సేపు వేట కుంభస్థలాన్ని ఎంత
భీమ్ ఈ నక్కల వేట ఎంత సేపు కుంభస్థలాన్ని బద్దలు కొడదాం పదా

**Syntax refers to the set of rules to be
followed while writing a program**

What is the output of this program?

```
#include<stdio.h>
int main() {
    printf>Welcome to suresh techs);
    return 0;
}
```

Syntactical error – compile time

```
error: 'Welcome' undeclared (first use in this function)
```

Semantic error – run time



**Alphabets are the
pillars to learn
English**

Character Set

