

ReadingVariables

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Reading Variables

- C has very powerful I/O capabilities
 - Reading a variable is relatively simple

command: `scanf()`

format: “%**type**”, &**variable**

type: **i** → int, **f** → float, **c** → char

```
int ave;
```

```
scanf(“%i”, &ave); //reads from the keyboard and stores the value in ave
```

```
float foo;
```

```
scanf(“%f”, &foo); //reads from the keyboard and stores the value in foo
```

```
char initial;
```

```
scanf(“ %c”, &initial); //reads from the keyboard and stores the value in initial  
// note the space before %c
```

Reading Variables

- C has very powerful I/O capabilities
- Each variable in a single scanf statement needs its own format descriptor

Examples:

```
int count;
```

```
float ave;
```

```
char month;
```

```
printf("Enter an int for count, float for ave and character for month");
```

```
scanf("%i %f %c", &count, &ave, &month);
```