

credit

TODO

- prompt for user input
- multiply every other digit
- sum those digits
- add to remaining digits
- validate checksum
- validate company's identifier
- validate number's length

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prompt user

C

- `get_long_long`
- `#include <cs50.h>`

Python

- `get_int`
- `import cs50`

prompt user

C

- `get_long_long`
- `#include <cs50.h>`

Python

- `get_string`
- `import cs50`

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while loops

C

```
while (condition)
{
    // something happens
}
```

Python

```
while condition:
    # something happens
```

else if

C

```
if (condition1)
{
    // TODO
}
else if (condition2)
{
    // TODO
}
else
{
    // TODO
}
```


else if

C

```
if (condition1)
{
    // TODO
}
else if (condition2)
{
    // TODO
}
else
{
    // TODO
}
```

Python

```
if condition1:
    # TODO
elif condition2:
    # TODO
else:
    # TODO
```

compound conditional expressions

C

```
if (bool1 || bool2)
```

```
if (bool1 && bool2)
```

Python

```
if bool1 or bool2:
```

```
if bool1 and bool2:
```

division operator

- $x // y$ for integer division
- x / y for float division

print()

```
# print something with a newline  
print("hello, world")
```

```
# print something without a newline  
print("hello, world", end="")
```

```
# print something 50 times  
print("#" * 50)
```

```
# print newline  
print()
```

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this was credit