

```
// Yannique Hecht
// HARVARD CS50 Week 1 - Cash - Build a Greed Algorithm to identify
// least amount of coins possible for change
```

```
#include <stdio.h>
#include <math.h>
#include <cs50.h>
```

```
int main(void)
```

```
{
```

```
    float cash;
```

```
    do
```

```
    {
```

```
        // Get user input with positive float only
```

```
        cash = get_float("Enter cash: ");
```

```
        // Convert to integer
```

```
        int cents = round(cash * 100);
```

```
    }
```

```
    while (cash < 0);
```

```
    // Define & assign value of coins
```

```
    int quarters = 0;
```

```
    int dimes = 0;
```

```
    int nickels = 0;
```

```
    int pennies = 0;
```

```
    // Define output statements
```

```
    printf("Quarters: %i\n", quarters);
```

```
    printf("Dimes: %i\n", dimes);
```

```
    printf("Nickels: %i\n", nickels);
```

```
}
```