

```
// Filename Fread_Program6.c
// Written by Justin Fread
// Written on 10/4/18
```

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

```
int main(void) {
```

```
    int dollars;
    int quarters;
    int dimes;
    int nickels;
    int pennies;
    int change;
    int totalCents;
    int totalDollars;
```

```
    printf("\nPlease enter your coin information\n");
```

```
    // get the count of each type of coin
```

```
    printf("Number of Dollar coins: ");
```

```
    scanf_s("%d", &dollars);
```

```
    printf("Number of Quarters: ");
```

```
    scanf_s("%d", &quarters);
```

```
    printf("Number of Dimes: ");
```

```
    scanf_s("%d", &dimes);
```

```
    printf("Number of Nickels: ");
```

```
    scanf_s("%d", &nickels);
```

```
    printf("Number of Pennies: ");
```

```
    scanf_s("%d", &pennies);
```

```
    // compute the value in cents
```

```
    totalCents = 100 * dollars + 25 * quarters + 10 * dimes + 5 * nickels + pennies;
```

```
    // find the value dollars and change
```

```
    totalDollars = totalCents / 100;
```

```
    change = totalCents % 100;
```

```
    // display the credit slip with value in dollars and cents
```

```
    printf("\n\nCoin Credit \nDollars: %d \nChange: %d Cents\n",
        totalDollars, change);
```

```
    system("pause");
```

```
    return(0);
```

```
}
```