Q.1

```
#include <stdio.h>


// Function to convert money from Nis to Dollar and vice versa
float convert(float amount, char unit) {
    const float exchangeRate = 3.7;


    if (unit == 'N') {
        return amount / exchangeRate; // Convert Nis to Dollar
    } else if (unit == '$') {
        return amount * exchangeRate; // Convert Dollar to Nis
    } else {
        return -1; // Invalid unit
    }
}


int main() {
    float amount;
    char unit;


    printf("Please enter the amount of money and the unit: ");
    scanf("%f %c", &amount, &unit);
```

```
    while (amount != -1) {
        float result = convert(amount, unit);

        if (result != -1) {
            if (unit == 'N') {
                printf("The %.2f Nis is equivalent to %.2f Dollar.\n", amount, result);
            } else if (unit == '$') {
                printf("The %.2f Dollar is equivalent to %.2f Nis.\n", amount, result);
            }
        } else {
            printf("Invalid unit. Please enter 'N' for Nis or '$' for Dollar.\n");
        }

        printf("Please enter the amount of money and the unit: ");
        scanf("%f %c", &amount, &unit);
    }

    // Print the exit message after the loop
    printf("Press any key to continue.\n");

    return 0;
}
```

```
/tmp/tpCSOHQSa7.o
Please enter the amount of money and the unit:
8$
The 8.00 Dollar is equivalent to 29.60 Nis.
Please enter the amount of money and the unit:
1&
Invalid unit. Please enter 'N' for Nis or '$' for Dollar.
Please enter the amount of money and the unit:
1$
The 1.00 Dollar is equivalent to 3.70 Nis.
Please enter the amount of money and the unit:
16N
The 16.00 Nis is equivalent to 4.32 Dollar.
Please enter the amount of money and the unit:
-1
```

Q.2

```
#include <stdio.h>


int main() {


   int array[10];

   printf("Enter 10 integers:\n");


   for (int i = 0; i < 10; ++i) {

      printf("Enter element %d: ", i + 1);

      scanf("%d", &array[i]);

   }




   printf("Original array: ");

   for (int i = 0; i < 10; ++i) {

      printf("%d ", array[i]);

   }

   printf("\n");




   int sum = 0;

   for (int i = 0; i < 10; ++i) {

      sum += array[i];

   }

   double average = (double)sum / 10;
```

```
printf("Average of the array: %lf\n", average);



int min_value = array[0];

int last_appearance_index = 0;


for (int i = 1; i < 10; ++i) {

   if (array[i] < min_value) {

      min_value = array[i];

      last_appearance_index = i;

   }

}



for (int i = 9; i >= 0; --i) {

   if (array[i] == min_value) {

      last_appearance_index = i;

      break;

   }

}


printf("Minimum value: %d\n", min_value);

printf("Last appearance index of minimum value: %d\n", last_appearance_index);



printf("Array after operations: ");

for (int i = 0; i < 10; ++i) {
```

```
        printf("%d ", array[i]);
    }
    printf("\n");

    return 0;
}
```

Output

```
/tmp/tpCSOHQSa7.o
Enter 10 integers:
Enter element 1: 1
Enter element 2: 2
Enter element 3: 3
Enter element 4: 4
Enter element 5: 5
Enter element 6: 1
Enter element 7: 2
Enter element 8: 4
Enter element 9: 5
Enter element 10: 1
Original array: 1 2 3 4 5 1 2 4 5 1
Average of the array: 2.800000
Minimum value: 1
Last appearance index of minimum value: 9
Array after operations: 1 2 3 4 5 1 2 4 5 1
```