

1.

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

```
int main() {
```

```
    int array_size = 10;
```

```
    int array[array_size];
```

```
    printf("Enter 10 integer values for the array:\n");
```

```
    for (int i = 0; i < array_size; i++)
```

```
{
```

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

```
}
```

```
    int minimum = array[0];
```

```
    int maximum = array[0];
```

```
    int sum = array[0];
```

```
    for (int i = 1; i < array_size; i++)
```

```
{
```

```
    if (array[i] < minimum)
```

```
{
```

```
        minimum = array[i];
```

```
    }
```

```
    if (array[i] > maximum)
```

```
{
```

```
        maximum = array[i];
```

```
    }
```

```
    sum += array[i];
```

```
}
```

```
    float average = (float)sum / array_size;
```

```

int reversed_array[array_size];

for (int i = 0; i < array_size; i++) {
    reversed_array[i] = array[array_size - 1 - i];
}

printf("Original Array:");

for (int i = 0; i < array_size; i++) {
    printf(" %d", array[i]);
}

printf("\nMinimum Value: %d\n", minimum);
printf("Maximum Value: %d\n", maximum);
printf("Average Value: %.2f\n", average);
printf("Reverse Order:");

for (int i = 0; i < array_size; i++) {
    printf(" %d", reversed_array[i]);
}

printf("\n");

return 0;
}

```

2.

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

```

int main() {
    int array_size = 10;
    int array[array_size];

```

```
printf("Enter 10 integer values for the array:\n");  
for (int i = 0; i < array_size; i++) {  
    scanf("%d", &array[i]);  
}
```

```
int minimum = array[0];  
int maximum = array[0];  
int sum = array[0];  
for (int i = 1; i < array_size; i++) {  
    if (array[i] < minimum) {  
        minimum = array[i];  
    }  
    if (array[i] > maximum) {  
        maximum = array[i];  
    }  
    sum += array[i];  
}  
float average = (float)sum / array_size;
```

```
int reversed_array[array_size];  
for (int i = 0; i < array_size; i++) {  
    reversed_array[i] = array[array_size - 1 - i];  
}
```

```
printf("Original Array:");  
for (int i = 0; i < array_size; i++) {  
    printf(" %d", array[i]);  
}
```

```
printf("\nMinimum Value: %d\n", minimum);
printf("Maximum Value: %d\n", maximum);
printf("Average Value: %.2f\n", average);
printf("Reverse Order:");
for (int i = 0; i < array_size; i++) {
    printf(" %d", reversed_array[i]);
}
printf("\n");

return 0;
}
```