# PRACTICAL 6

**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;

}