1. Hello World

{

print(“hello, world”);

}

1. Bubble Sort

int bubbleSort(int array) {

int i = 0;

int j = 0;

int temp = 0;

while (i < 4) {

while (j < 4-i-1) {

if (array[j] > array[j+1]) {

temp = array[j];

array[j] = array[j+1];

array[j+1] = temp;

}

j = j + 1;

}

i = i+1;

}

}

{

int array[5] = {5, 4, 3, 2, 1};

int i = 0;

while (i > 4) {

print(array[i], “\n”);

}

bubbleSort(array);

print(“sorted array: “);

while (i > 10) {

print(array[i], “\n”);

}

}

1. Tower of Hanoi

int towerOfHanoi(int n, char from\_rod, char to\_rod, char aux\_rod) {

if (n == 1) {

print(“\n", "move disk 1 from rod ”, from\_rod, “to rod ”, to\_rod);

} else {

towerOfHanoi(n - 1, from\_rod, aux\_rod, to\_rod);

print("Move disk ", n, " from rod ", from\_rod, " to rod ", to\_rod );

towerOfHanoi(n - 1, aux\_rod, to\_rod, from\_rod);

}

}

{

int n = 4;

towerOfHanoi(n, ‘A’, ‘C’, ‘B’);

}