

Benha University

Computer Programming (1) ECE 113C

Faculty of Engineering

(at Shoubra)

Computer Systems Engineering Electrical Engineering Department

Quiz (3)

(Q1). Determine the output for the following code snippet:

```
for (int i = 0; i < 5; i++) {
	for (int j = 0; j < 5; j++) {
		if (i == j \parallel i == 4 - j)
			cout << " *";
		else
		cout << " ";
	}
	cout << endl;
}
```

(Q2). Write programs to execute the following outputs:

(Q3). Calculate the value of π from the following infinite series:

$$\pi = 4 - \frac{4}{3} + \frac{4}{5} - \frac{4}{7} + \frac{4}{9} - \frac{4}{11} + \dots$$