

جدول نماد ها را برای شبه کد زیر بنویسید.

```
program oo;

const double a:=12.2;
var int bb,f:=10,k, double as:=2;

function h(int i, double v) : int {
    var int bb, f:=22,k;
    double as:=23;
    procedure dddd(int i,int j, double v) {
        v := i * j * 87.1;
    }
    dddd(1, 2, 2.3);
    return as;
}

function p(int i) : bool {
    var int k1, k2:=23;
    return i <= k2;
}

main() {
    if (p(2)) {
        print(h(1,3.3));
    } else {
        print(h(2,3.4));
    }
}
```

به ازای هر تابع یا رویه یک جدول نماد می کشیم ، در انتها یک جدول برای Scope های مختلف برنامه می کشیم.

| main | | | | | |
|------|-------------|----------|------|---------|-------------|
| Name | Entity Type | Var Type | Size | Address | Return Type |
| a | Var | Real | 8 | 0 | None |
| as | Var | Real | 8 | 8 | None |
| bb | Var | Int | 4 | 16 | None |
| f | Var | Int | 4 | 20 | None |
| k | Var | Int | 4 | 24 | None |
| h | Function | None | None | 28 | Int |
| p | Function | None | None | 76 | Bool |

| h | | | | | |
|------|-------------|----------|------|---------|-------------|
| Name | Entity Type | Var Type | Size | Address | Return Type |
| i | Var | Int | 4 | 28 | None |
| v | Var | Real | 8 | 32 | None |
| as | Var | Real | 8 | 40 | None |
| bb | Var | Int | 4 | 48 | None |
| f | Var | Int | 4 | 52 | None |
| k | Var | Int | 4 | 56 | None |
| dddd | Procedure | None | None | 60 | None |

| dddd | | | | | |
|------|-------------|----------|------|---------|-------------|
| Name | Entity Type | Var Type | Size | Address | Return Type |
| i | Var | Int | 4 | 60 | None |
| j | Var | Int | 4 | 64 | None |
| v | Var | Real | 8 | 68 | None |

| p | | | | | |
|------|-------------|----------|------|---------|-------------|
| Name | Entity Type | Var Type | Size | Address | Return Type |
| i | Var | Int | 4 | 76 | None |
| k1 | Var | Int | 4 | 80 | None |
| k2 | Var | Int | 4 | 84 | None |

| Scopes | | | |
|--------|---------|------|---------------------|
| Name | Address | Size | Outer Scope Address |
| dddd | 60 | 16 | 28 |
| h | 28 | 32 | 0 |
| p | 76 | 76 | 0 |
| main | 0 | 28 | None |