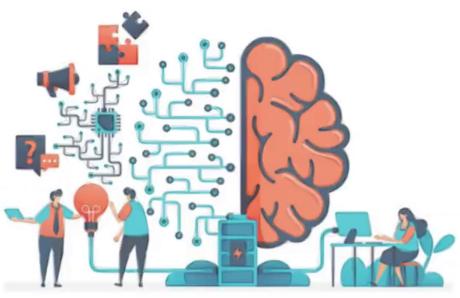
# HOW DOES RECURSION REMEMBER STUFF ? (ARABIC INTUITION)





# prior knowledge

- 1-my recursion playlist (on my channel)
- 2-stack data structure

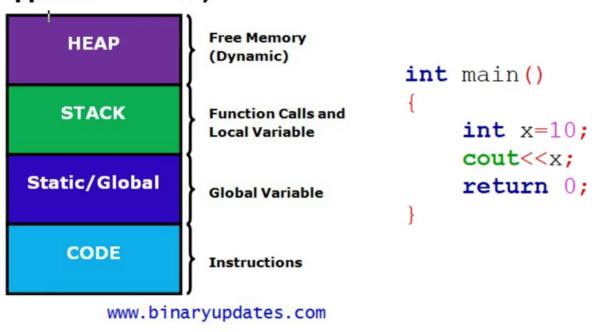


#### **Recursion tree**

```
int main()
    int a;
    long long b;
                                                   Data
    char c;
    double d;
    string e;
                                                   Instructions
    cout<<"i love anime";</pre>
    return 0;
```

## **Recursion memory**

#### **Application Memory**



#### **HEAP**

```
x = 10
```

### Static/Global

```
int main()
{
    cout<<x;
    return 0;
}</pre>
```

