# 3. What is the difference between OOP and POP?

**ANS:**

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| OOP | POP |
| A programming paradign based on the concept on objects, which contains data in the form of fields known as attribute and code in the form of procedures known as methods. | A programming paradign that is based upon the concept of the procedure calls. |
| OOP stands for Object oriented programming. | POP stands for Procedural oriented programming. |
| Emphasis in objects. | Emphasis in functions. |
| Divides the program into multiple objects. | Divides the program into multiple functions. |
| Modification is easier as objects are independent. | Modification are difficult as they can affect the entire program. |
| Objects communicate with each other by passing messages. | Functions communicate with each other by passing messages. |
| Each objects controls its own data. | Function share global variables. |
| It is possible to hide data. | There is no data hiding. |
| It follows bottom-up approach . | It follows top-bottom approach. |
| It has access specifier like public, private, protective. | There is no any access specifier. |
| Example: C++, Java | Example: C, fortran |