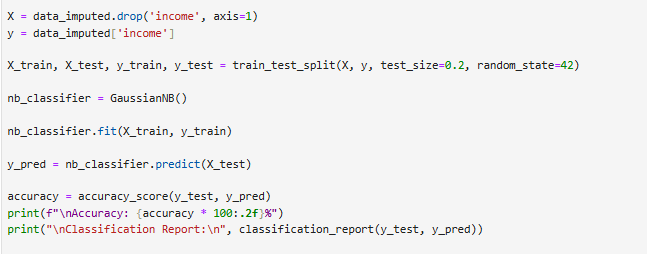
**HOME TASK**

**Code:**



**OUTPUT:**

