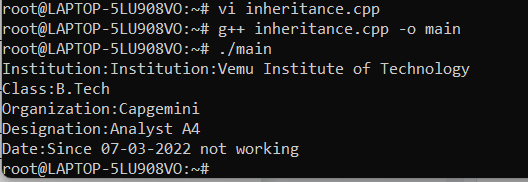
**CPP\_Assignment\_8a**

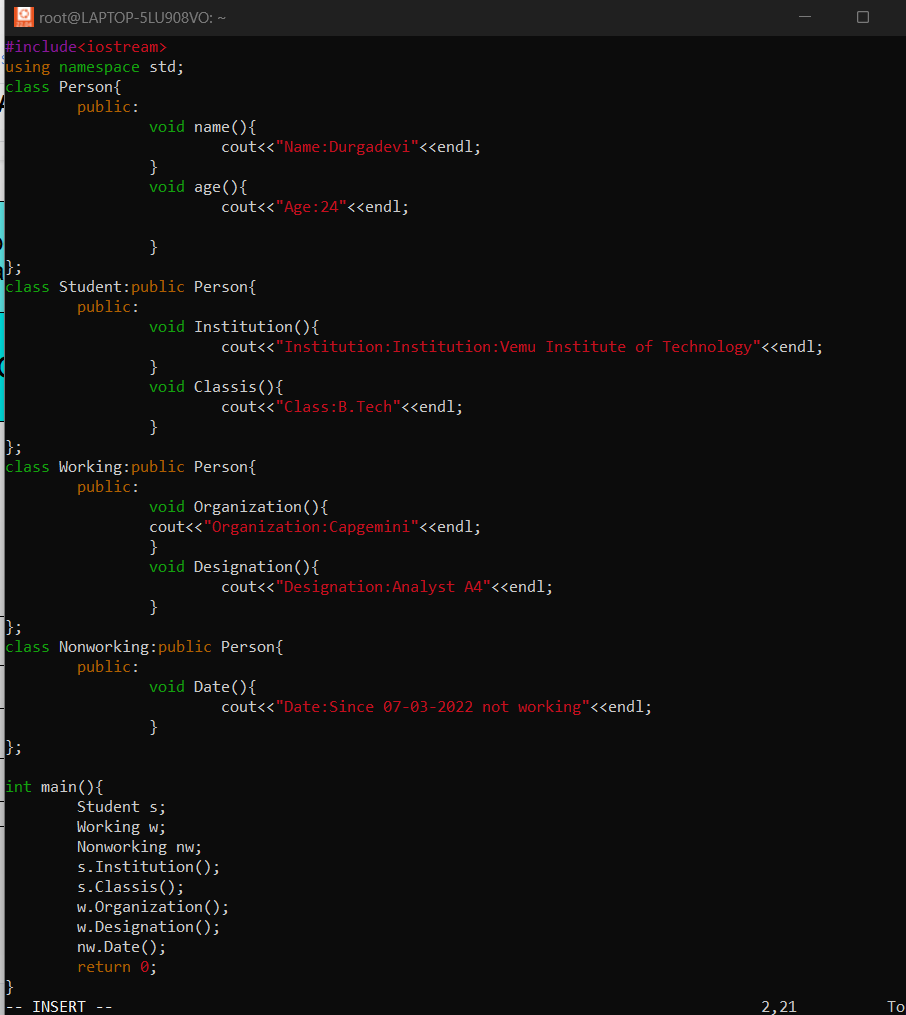
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| --- | --- | --- |
| Design an application in C++ using inheritance as per given requirements. Add required class and implementation . | | |
| Requirement Tag | Requirement Description | Comments |
| FSTR/01 | Application should create a model of a Person who can classified in one of the following categories with below given attributes. 1. Student - Institution, class 2. Working - Organization name, Designation 3. Non Working - Date since not working  Common attributes like name, age can be in base class Person |  |
| FSTR/02 | Each class to define appropriate constructors (with default and overloaded arguments) and destructors |  |
| FSTR/03 | Each class to define and implement a Display() method to display class members. |  |
| FSTR/04 | Create objects of different type Student, Working and Non-Working Person pin heap |  |
| FSTR/05 | Access objects using a base class pointer. Invoke the Display() of the object |  |
| FSTR/06 | Ensure that there are no memory leaks |  |

FSTR/01 Application should create a model of a Person who can classified in one of the following categories with below given attributes.  
1. Student - Institution, class  
2. Working - Organization name, Designation  
3. Non Working - Date since not working  
  
Common attributes like name, age can be in base class Person

FSTR/04 Create objects of different type Student, Working and Non-Working Person pin heap

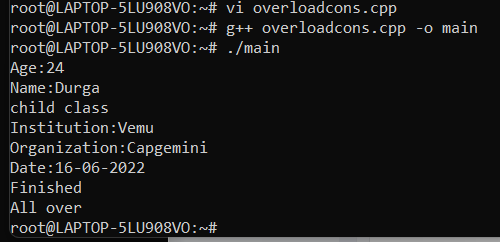
**Ans:**

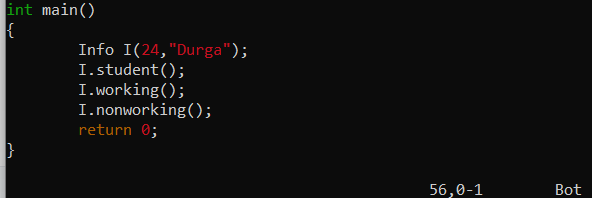
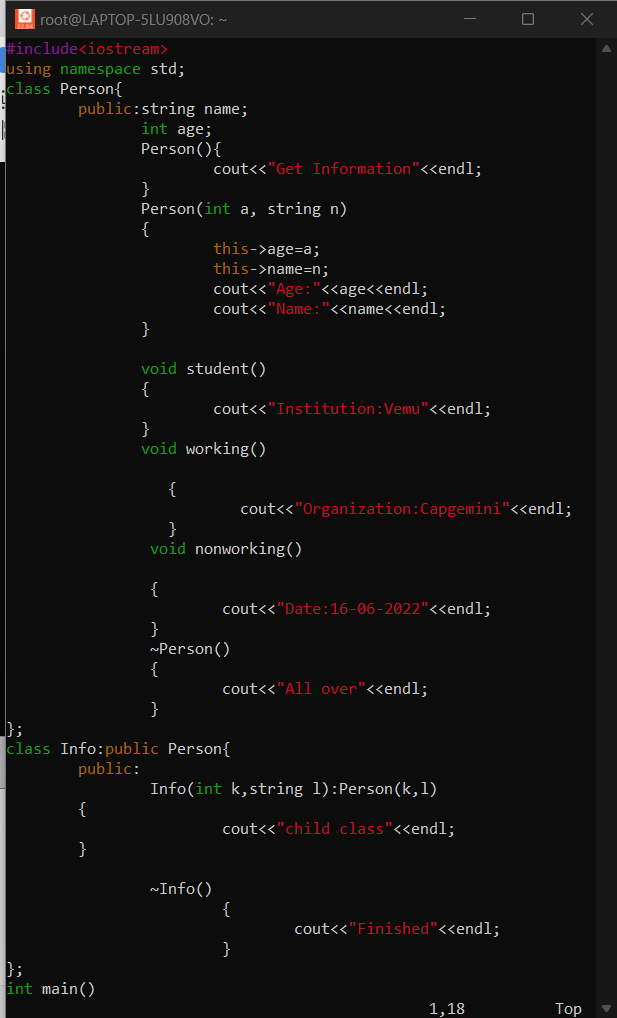
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FSTR/02 Each class to define appropriate constructors (with default and overloaded arguments) and destructors

Ans:





FSTR/03 Each class to define and implement a Display() method to display class members.

Ans:



