**1.Table Name:Product**

|  |  |  |  |
| --- | --- | --- | --- |
| **FieldName** | **DataType** | **Constraints** | **Description** |
| product\_id | int | PK,auto\_increment | It should be product Id unique to every product. |
| product\_name | Varchar(100) | Not Null | Name of product |
| category\_id | Int | Foreign Key | Category of product |
| subCategory\_id | Int | Foreign Key | Sub category of product |
| brand\_id | Int | Foreign Key | Brand of product |
| specification | Varchar(1000) | Not Null | Specification Of product |
| price | Double | Not Null | Price of product |
| dateOfPosting | Date |  | On which date product is added |
| stock\_id | Int | Foreign Key | No of items |
| merchant\_id | Int | Foreign Key | Merchant for product |
| no\_Of\_time\_Visited | Int | Default=0 | No of times product is  visited |

**2.Table Name:Category Table**

|  |  |  |  |
| --- | --- | --- | --- |
| **FieldName** | **DataType** | **Constraints** | **Description** |
| category\_id | Int | Pk,auto\_increment | Id of cateogory |
| Category\_name | Varchar(100) | Not Null | Name of category |

**3.Table Name:SubCategory Table**

|  |  |  |  |
| --- | --- | --- | --- |
| **FieldName** | **DataType** | **Constraints** | **Description** |
| subCategory\_id | Int | Pk,auto\_increment | Id of subCateogory |
| subCategory\_name | Varchar(100) | Not Null | Name of subCategory |

**4.Table Name:Stock Table**

|  |  |  |  |
| --- | --- | --- | --- |
| **FieldName** | **DataType** | **Constraints** | **Description** |
| stock\_id | Int | Pk,auto\_increment | Stock id |
| no\_Of\_Items | Int | Not Null | Number of product available |
| product\_id | Int | Foreign key | For which product |

**5.Table Name:Brand Table**

|  |  |  |  |
| --- | --- | --- | --- |
| **FieldName** | **DataType** | **Constraints** | **Description** |
| brand\_id | Int | Pk,auto\_increment | Brand id |
| Brand\_name | Varchar(100) | Not Null | Name for the brand |

**6.Table Name:Product\_Merchant Table**

|  |  |  |  |
| --- | --- | --- | --- |
| **FieldName** | **DataType** | **Constraints** | **Description** |
| merchant\_id | Int | Foreign Key | Merchant for product |
| product\_id | Int | Foreign key | For which product |

**7.Table Name:Product\_Size Table**

|  |  |  |  |
| --- | --- | --- | --- |
| **FieldName** | **DataType** | **Constraints** | **Description** |
| product\_id | Int | Foreign key | For which product |
| size\_id | Int | Foreign Key | size |

**8.Table Name:Product\_Color Table**

|  |  |  |  |
| --- | --- | --- | --- |
| **FieldName** | **DataType** | **Constraints** | **Description** |
| product\_id | Int | Foreign key | For which product |
| color\_id | Int | Foreign Key | Color for product |

**9.Table Name:Size Table**

|  |  |  |  |
| --- | --- | --- | --- |
| **FieldName** | **DataType** | **Constraints** | **Description** |
| size\_id | Int | PK,auto\_increment | Id for every size |
| size\_name | Varchr(100) | Not Null | Name of the size |

**10.Table Name:Color Table**

|  |  |  |  |
| --- | --- | --- | --- |
| **FieldName** | **DataType** | **Constraints** | **Description** |
| color\_id | Int | PK,auto\_increment | Id for every color |
| color\_name | Varchr(100) | Not Null | Name of the color |

**11.Table Name:Feedback \_product**

|  |  |  |  |
| --- | --- | --- | --- |
| **Field name** | **Data type** | **Constraints** | **Description** |
| feedback\_id | int | Not null  Primary key  Auto\_increment | Primary key for feedback of product |
| product\_id | int | Foreign key | Product id for feedback |
| feedback\_product | Varchar  (1000) |  | Feedback for product |

**12.Table Name:Feedback \_common**

|  |  |  |  |
| --- | --- | --- | --- |
| **Field name** | **Data type** | **Constraints** | **Description** |
| feedback\_id | int | Not null  Primary key  Auto\_increment | Primary key for feedback of product |
| feedback\_ merchant | Varchar  (1000) |  | Feedback for the merchant/common |
| merchant\_id | int | Foreign key  Not null | Id of merchant |