BLOOD BANK MANAGEMENT SYSTEM

## A PROJECT REPORT

*Submitted by*

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*Under the Guidance of*

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*In partial fulfilment of the requirements for the degree of*

**BACHELOR OF TECHNOLOGY**

**in**

**COMPUTER SCIENCE AND ENGINEERING**

# with a specialization in BIG DATA ANALYTICS



**FACULTY OF ENGINEERING AND**

**TECHNOLOGY**

**SCHOOL OF COMPUTING**

**SRM UNIVERSITY OF SCIENCE AND**

**TECHNOLOGY**

**KATTANKULATHUR**

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### **SRM INSTITUTE OF SCIENCE AND TECHNOLOGY KATTANKULATHUR – 603 203**

**BONAFIDE CERTIFICATE**

Certified that this B.Tech project report titled “**BLOOD BANK MANAGEMENT SYSTEM**” is the bonafide work of Mr.C.H.S.K.Gowtham [Reg. No.: RA2211027010149] and Ms. S.SaiCharani [Reg. No.RA2211027010186] who carried out the project work under my supervision. Certified further, that to the best of my knowledge the work reported herein does not form part of any other thesis or dissertation on the basis of which a degree or award was conferred on an earlier occasion for this or any other candidate.

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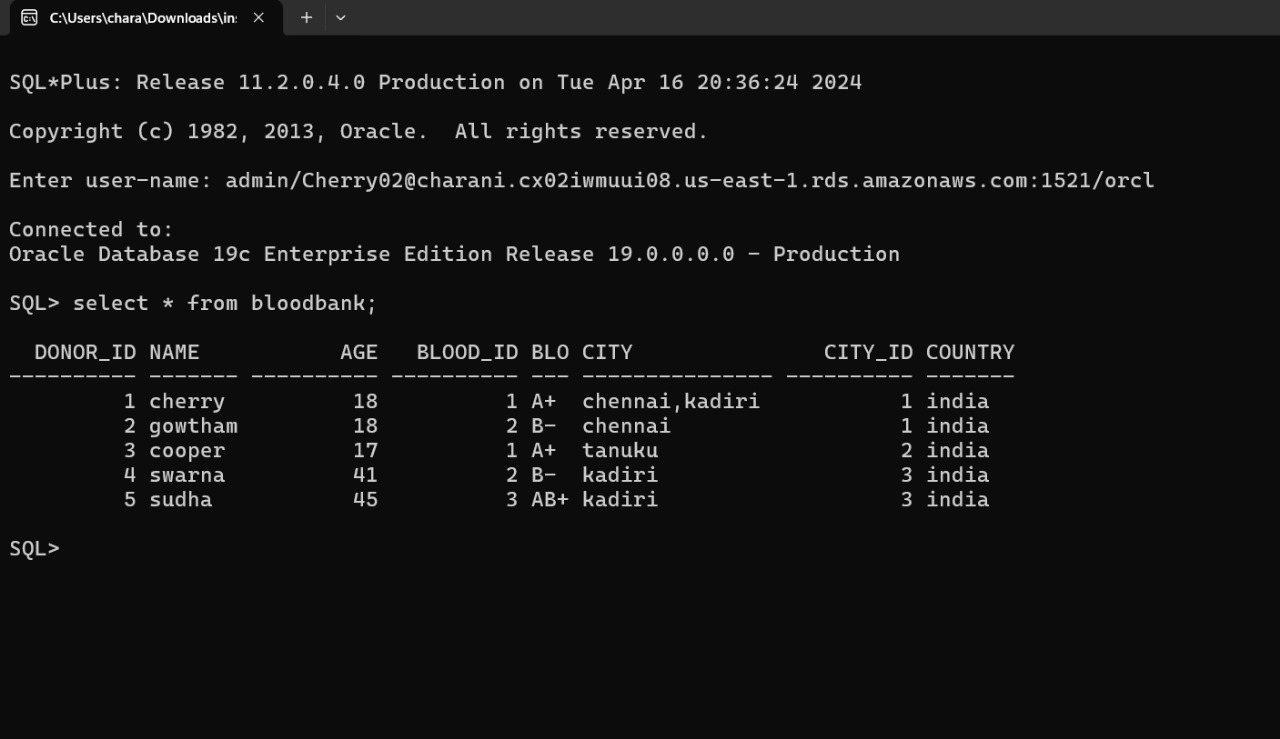
**HEAD OF THE DEPARTMENT**

Department of Data

Science and Business Systems

UN Normalized Table:

Donor\_id =1 is having composite attribute.  
So , inorder to normalize this table convert this table to 1NF.

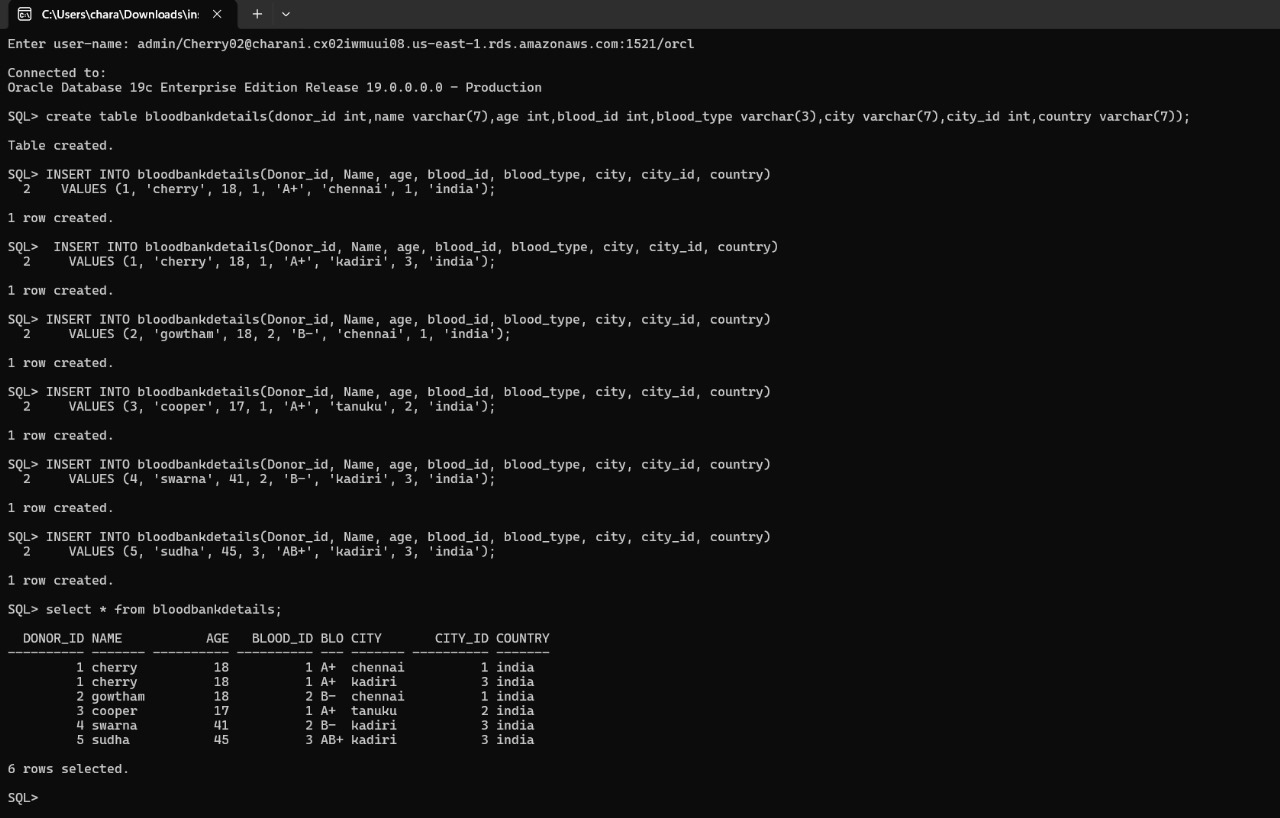
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1NF Table:

Composite attribute is rectified.

Multi-Valued Attributes should be removed.

So,inorder to normalize the table it should be converted to 2NF.

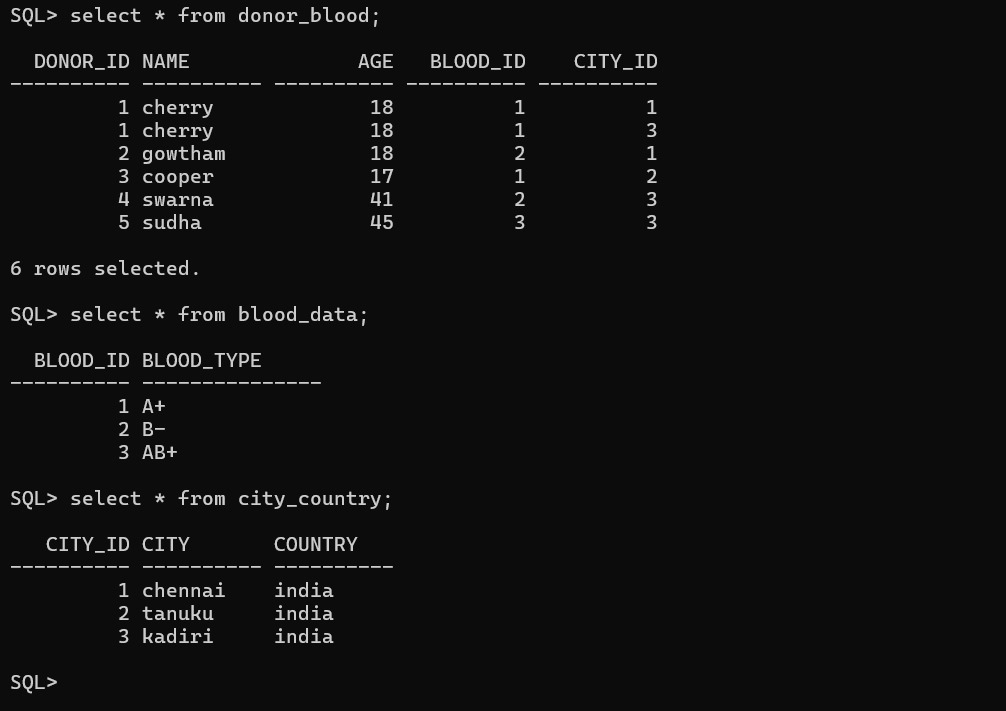


2NF:

Table to be in 2NF it should satisfy 1NF.

Partial dependencies should be removed.

So,inorder to normalize 2NF should be converted to 3NF.

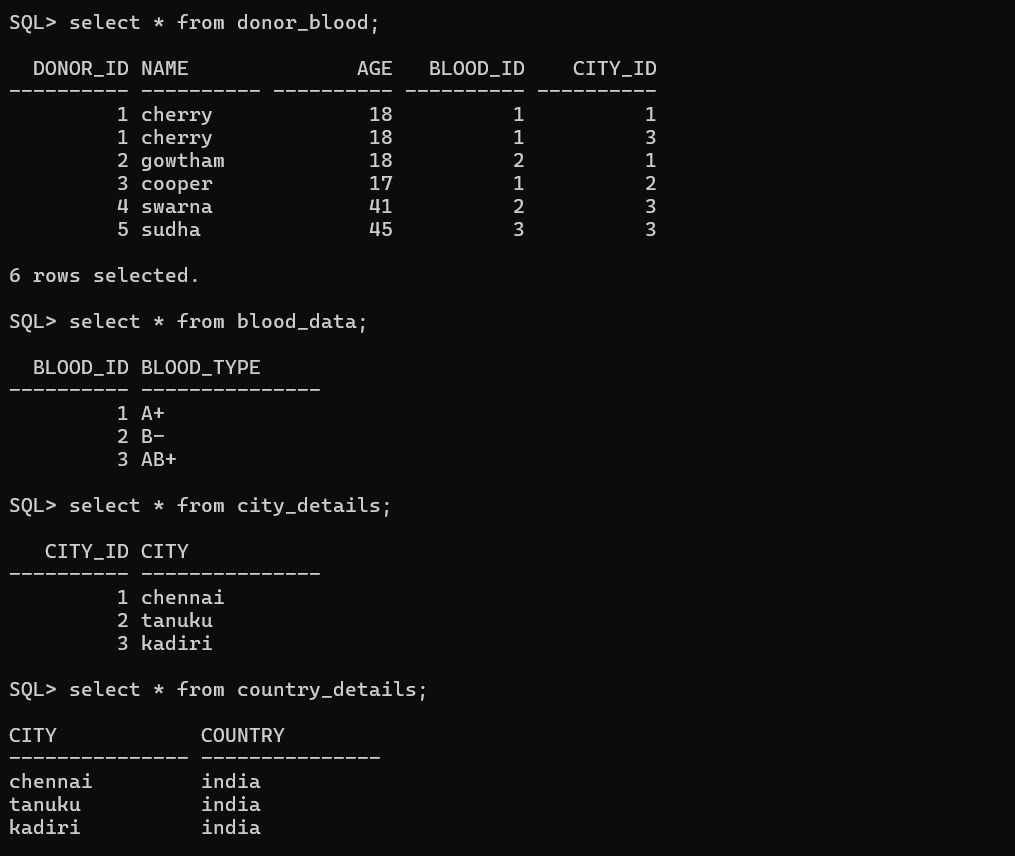


3NF:

FOR 3NF , Table should satisfy both 1NF, 2NF.

Transitive dependencies should be removed in 3NF .

So, inorder to normalize this table should be converted to 4NF.



BCNF Table:

For table to be in BCNF, it should satisfy 3NF,2NF,1NF.

Every Table should have atleast 1 primary key.

So , in order to normalize this table it should converted to 4NF, 5NF.

