

**ASSIGNMENT 01**

**Title:** - Creating 'Tally Khata' (Ledger, Feb01-Feb28,2023) Database for a super shop.

Course Instructor - **Prof. Dr. Md. Aminul Haque Akhand**

Department of Computer Science and Engineering

Stamford University-Bangladesh

51 Siddheswari Rd, Dhaka 1217



Submitted By – Sudib Kumar Chanda

Student ID - MCE 080 05548

Date – 4<sup>th</sup> March 2023

Step 01 :-

Downloading and installing 'SQL2022' and 'SSMS' from Microsoft website.

Step 02 :-

Creating draft for database table

Stamford Experimental Supershop (Dhanu)

General Ledger (Feb 01 - Feb 28) 2023

Staff - Counter 05 (10k) = 50,000 Security guard - 04 (12k) = 48,000  
 - Filler 02 }  
 - Organizer 04 } 10k \* 10 = 10,000  
 - Customer Support 04 }  
 - CCTV 02 (8k) } 16k  
 Total income  
 Expense =

Date	Expense	Income	Description	Payment method	Total items sold	Sold by	Total income for the day	Percentage of profit
1 <sup>st</sup> Feb 23	355,525 tk	180,000 tk	Salary & Product purchase	Bkash City Bank	65	Mamun, Tamanna, Rakshana, Rabeya	175,525 tk	49.37%
2 <sup>nd</sup> Feb 23	123,000	160,000	AC Maintenance Product purchase	BRAC Bank Cash	45	Rakshana, Rabeya, Tamanna, Mamun	37,000	30.08%
3 <sup>rd</sup> Feb 23	110,000	165,000	Electrical repair Product purchase	Cash EBL	70	Tamanna, Rabeya, Rakshana, Mamun	55,000	50.00%
4 <sup>th</sup> Feb 23	100,000	130,000	Cleaning Product PUR	Cash	49	"	30,000	30.00%
5 <sup>th</sup> Feb 23	90,000	120,000	Maintenance bills Payment	Cash EBL	95	"	30,000	33.33%
6 <sup>th</sup> Feb 23	95,000	135,000	Product PUR	BRAC Bank	110	"	40,000	42.11%
7 <sup>th</sup> Feb 23	85,000	200,000	"	Cash	275	"	115,000	135.29%
8 <sup>th</sup> Feb 23	80,000	180,000	"	Cash	195	"	91,000	102.25%
9 <sup>th</sup> Feb 23	70,000	145,000	"	Cash	189	"	75,000	107.14%

Pic 01- General ledger from Feb01-Feb09

Note: Some data were modified later.

Date	Expense	Income	Description	Payment method	Total items sold	Sold By	Total income for the day	Profit(%)
10 F	65,000	90,000	Product Pur.	check	60	"	25,000	38.46%
11 F	90,000	120,000	"	check	95	"	30,000	33.33%
12 F	80,000	84,000	"	check	45	"	4000	5.00%
13 F	55,000	220,000	"	check	310	"	165,000	300%
14 F	110,000	280,000	Repair P. Pur.	check	453	"	170,000	154.55%
15 F	100000	90,000	Maintenance P. Pur.	check	65	"	10,000	10.00%
16 F	90,000	85,000	P. Pur.	check	75	"	5000	5.56%
17 F	189,000	89,000	"	check	89	"	100000	52.91%
18 F	71,000	69,000	"	check	69	"	2000	2.82%
19 F	93,000	73,000	"	check	78	"	20,000	21.51%
20 F	85,000	65,000	"	check	65	"	20,000	23.53%
21 F	55,000	55,792	"	check	43	"	792	1.44%
22 F	63,000	80,122	"	check	58	"	17,122	27.18%
23 F	74,000	79,592	"	check	63	"	5592	7.56%

Pic 02- General ledger from Feb10-Feb23

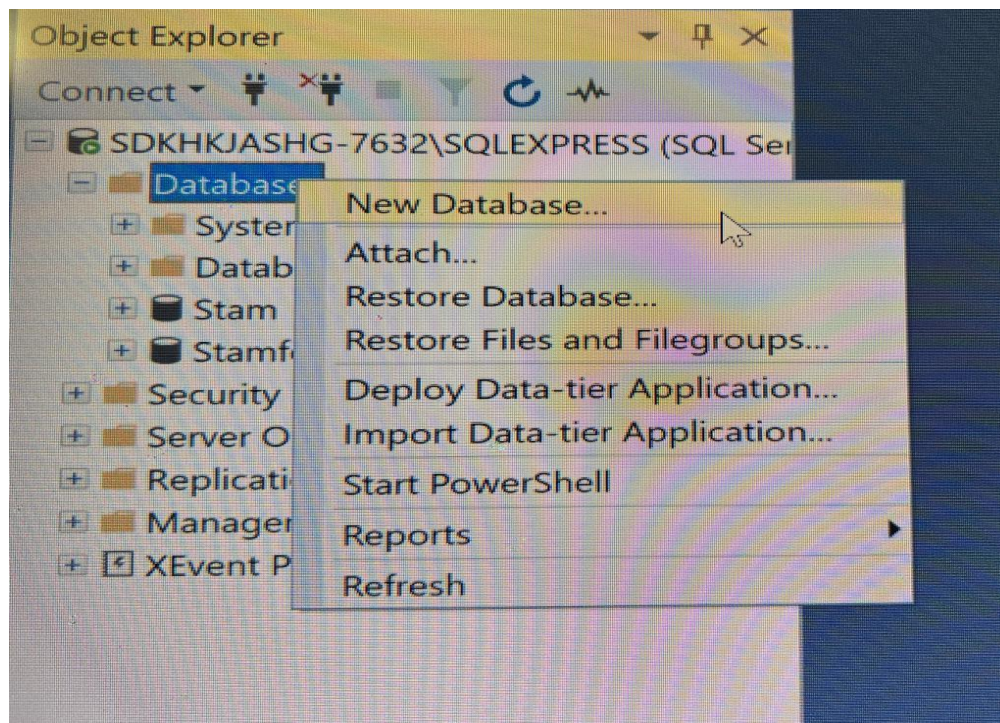
Date	Expense	Income	Description	Payment method	Total items sold	Sold By	Total income for the day	Profit(%)
24 F	65,000	63,390	P. Pur	check	42	"	1610	2.48%
25 F	70,000	85,142	P. Pur	check	59	"	15,142	21.63%
26 F	189,000	110,592	servicing P. Pur.	check	120	"	78,402	41.49%
27 F	90,000	105,291	P. Pur	check	85	"	15,292	16.99%
28 F	79,000	120,670	"	check	71	"	41,670	52.75%

Pic 03- General ledger from Feb24-Feb28

Step 03:-

In order to create a table we have to expand the 'Database' menu and right click on 'New Database'.

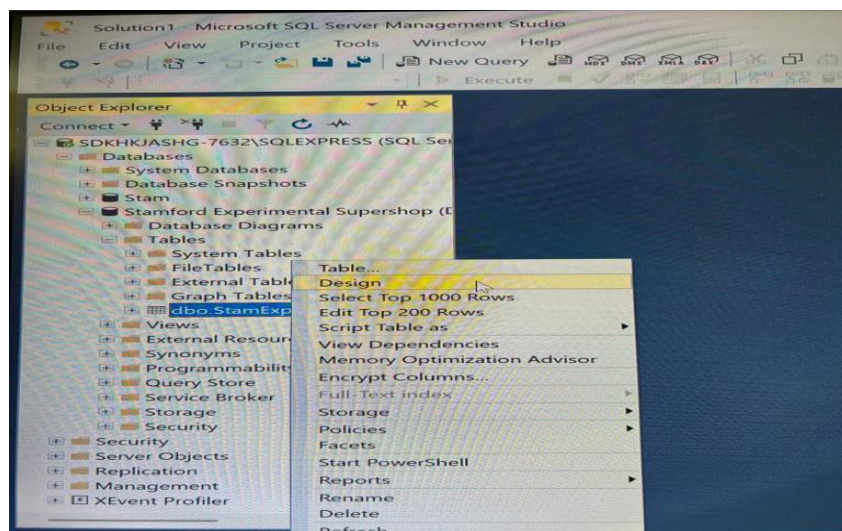




Pic 04 – First step of creating a database

#### Step 04:-

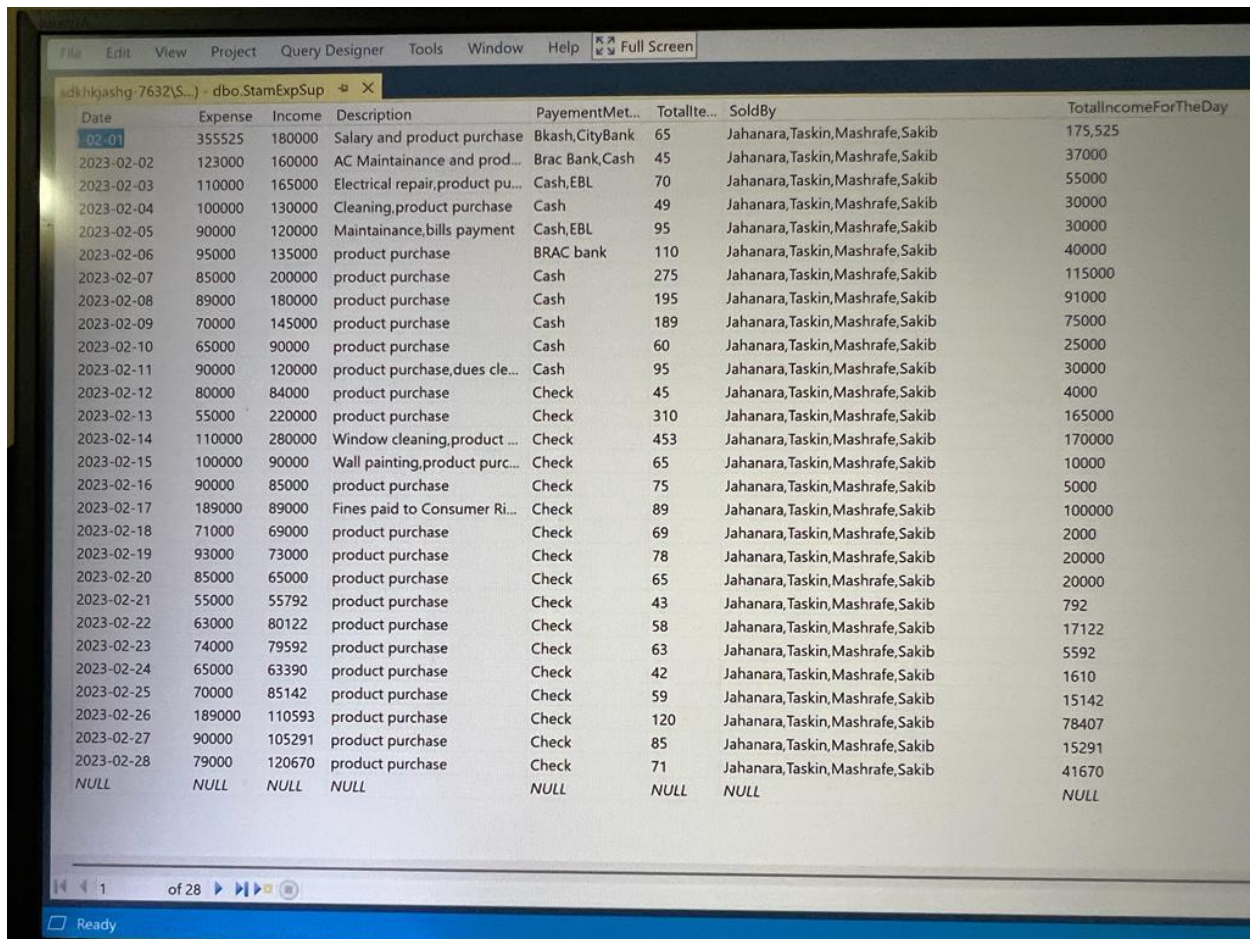
In order to add data to the table we have to right click on the database table [dbo.(tablename)] that we created in step 03 and then click design.



Pic 05 - Filling the table with data.

Step 05:-

After creating the table we have to save it from the file menu.



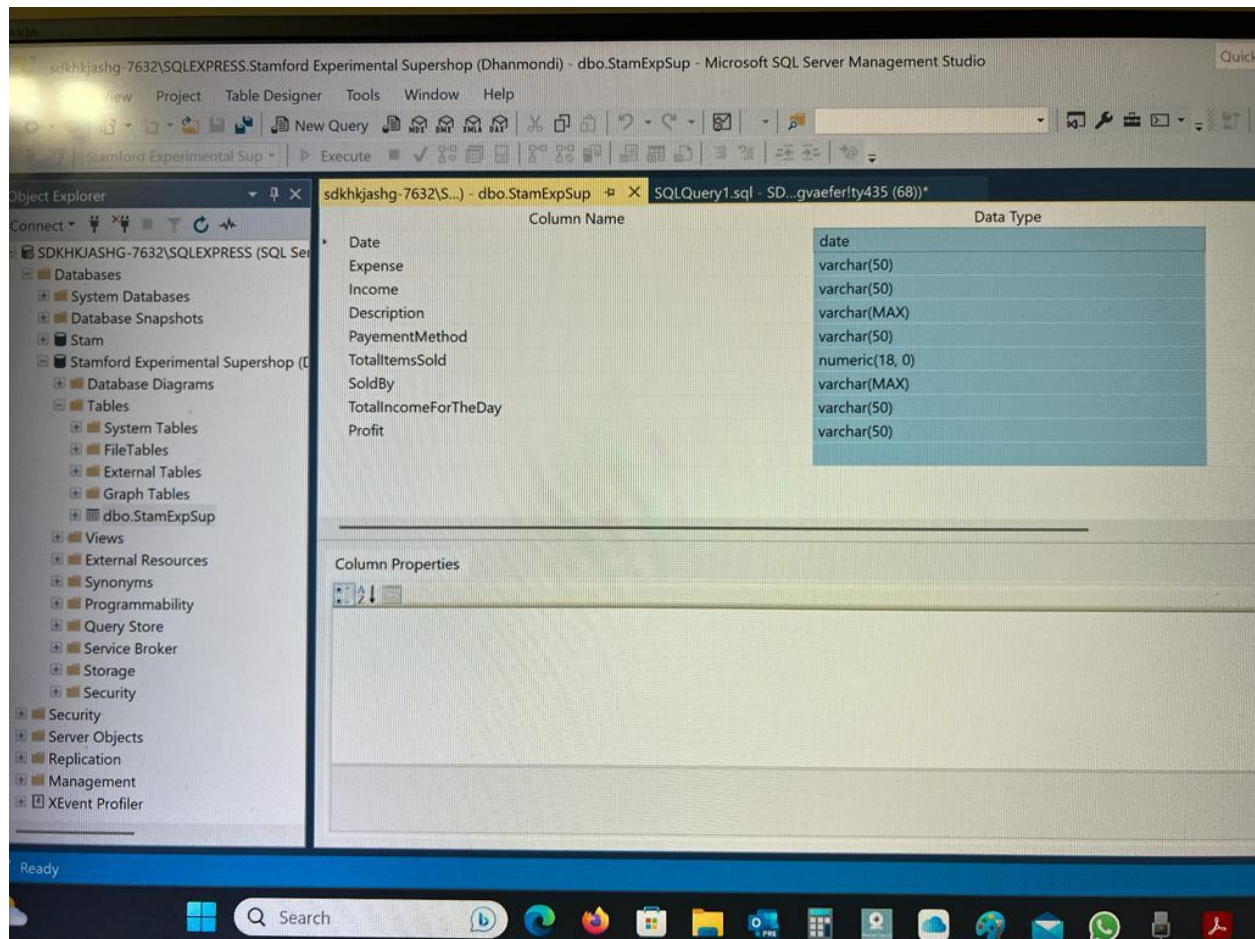
Date	Expense	Income	Description	PaymentMet...	Totalite...	SoldBy	TotalIncomeForTheDay
2023-02-01	355525	180000	Salary and product purchase	Bkash,CityBank	65	Jahanara,Taskin,Mashrafe,Sakib	175,525
2023-02-02	123000	160000	AC Maintainance and prod...	Brac Bank,Cash	45	Jahanara,Taskin,Mashrafe,Sakib	37000
2023-02-03	110000	165000	Electrical repair,product pu...	Cash,EBL	70	Jahanara,Taskin,Mashrafe,Sakib	55000
2023-02-04	100000	130000	Cleaning,product purchase	Cash	49	Jahanara,Taskin,Mashrafe,Sakib	30000
2023-02-05	90000	120000	Maintainance,bills payment	Cash,EBL	95	Jahanara,Taskin,Mashrafe,Sakib	30000
2023-02-06	95000	135000	product purchase	BRAC bank	110	Jahanara,Taskin,Mashrafe,Sakib	40000
2023-02-07	85000	200000	product purchase	Cash	275	Jahanara,Taskin,Mashrafe,Sakib	115000
2023-02-08	89000	180000	product purchase	Cash	195	Jahanara,Taskin,Mashrafe,Sakib	91000
2023-02-09	70000	145000	product purchase	Cash	189	Jahanara,Taskin,Mashrafe,Sakib	75000
2023-02-10	65000	90000	product purchase	Cash	60	Jahanara,Taskin,Mashrafe,Sakib	25000
2023-02-11	90000	120000	product purchase,dues cle...	Cash	95	Jahanara,Taskin,Mashrafe,Sakib	30000
2023-02-12	80000	84000	product purchase	Check	45	Jahanara,Taskin,Mashrafe,Sakib	4000
2023-02-13	55000	220000	product purchase	Check	310	Jahanara,Taskin,Mashrafe,Sakib	165000
2023-02-14	110000	280000	Window cleaning,product ...	Check	453	Jahanara,Taskin,Mashrafe,Sakib	170000
2023-02-15	100000	90000	Wall painting,product purc...	Check	65	Jahanara,Taskin,Mashrafe,Sakib	10000
2023-02-16	90000	85000	product purchase	Check	75	Jahanara,Taskin,Mashrafe,Sakib	5000
2023-02-17	189000	89000	Fines paid to Consumer Ri...	Check	89	Jahanara,Taskin,Mashrafe,Sakib	100000
2023-02-18	71000	69000	product purchase	Check	69	Jahanara,Taskin,Mashrafe,Sakib	2000
2023-02-19	93000	73000	product purchase	Check	78	Jahanara,Taskin,Mashrafe,Sakib	20000
2023-02-20	85000	65000	product purchase	Check	65	Jahanara,Taskin,Mashrafe,Sakib	20000
2023-02-21	55000	55792	product purchase	Check	43	Jahanara,Taskin,Mashrafe,Sakib	792
2023-02-22	63000	80122	product purchase	Check	58	Jahanara,Taskin,Mashrafe,Sakib	17122
2023-02-23	74000	79592	product purchase	Check	63	Jahanara,Taskin,Mashrafe,Sakib	5592
2023-02-24	65000	63390	product purchase	Check	42	Jahanara,Taskin,Mashrafe,Sakib	1610
2023-02-25	70000	85142	product purchase	Check	59	Jahanara,Taskin,Mashrafe,Sakib	15142
2023-02-26	189000	110593	product purchase	Check	120	Jahanara,Taskin,Mashrafe,Sakib	78407
2023-02-27	90000	105291	product purchase	Check	85	Jahanara,Taskin,Mashrafe,Sakib	15291
2023-02-28	79000	120670	product purchase	Check	71	Jahanara,Taskin,Mashrafe,Sakib	41670
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Pic 06 – Final view of the created table.

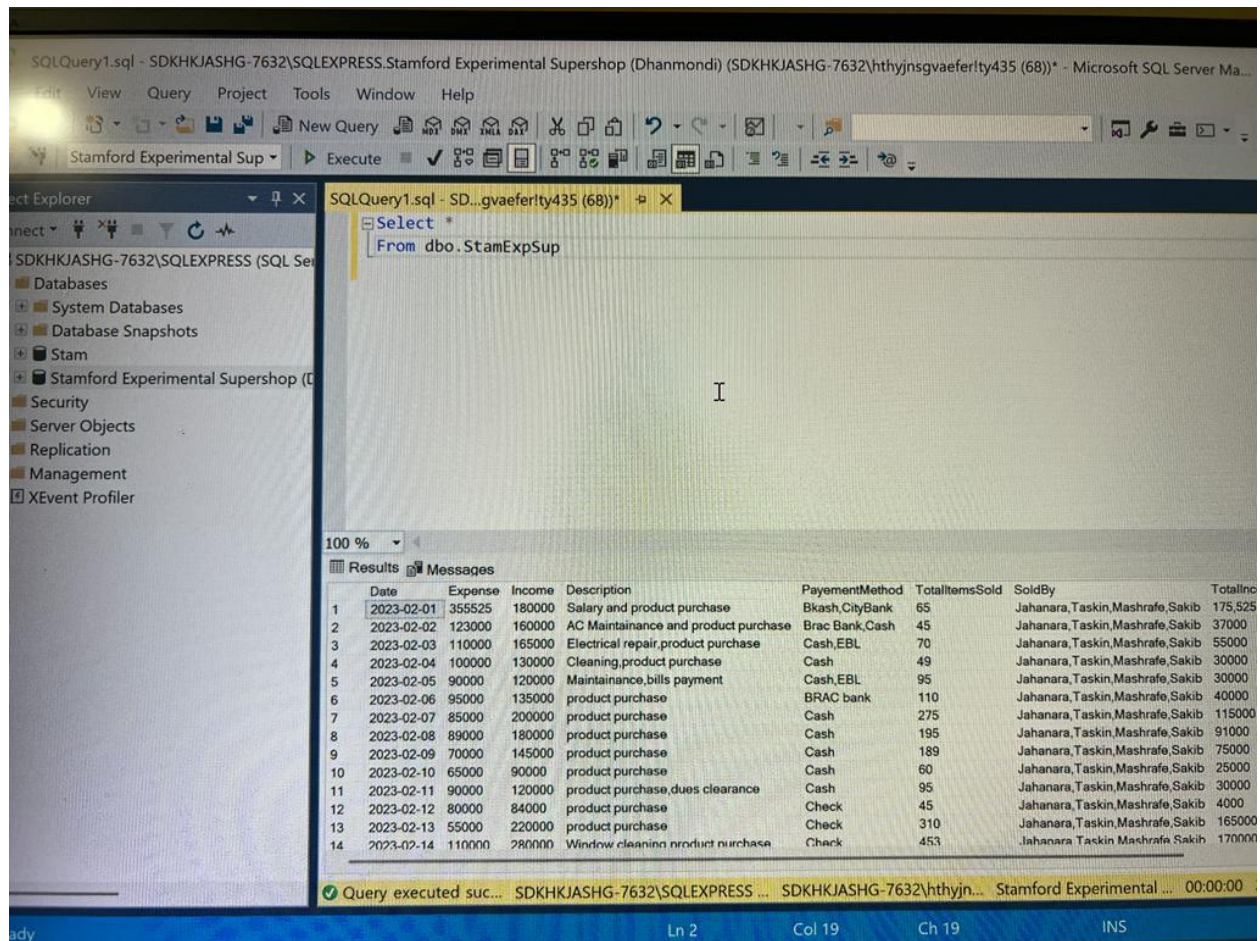
Step 06:-

We have to run some basic query commands to make sure that we have entered the data type correctly. We have to select a different data type for each varchar. For example 'TotalItemsSold' we have selected 'numeric (18, 0)' because all its value will be natural numbers or positive integers.



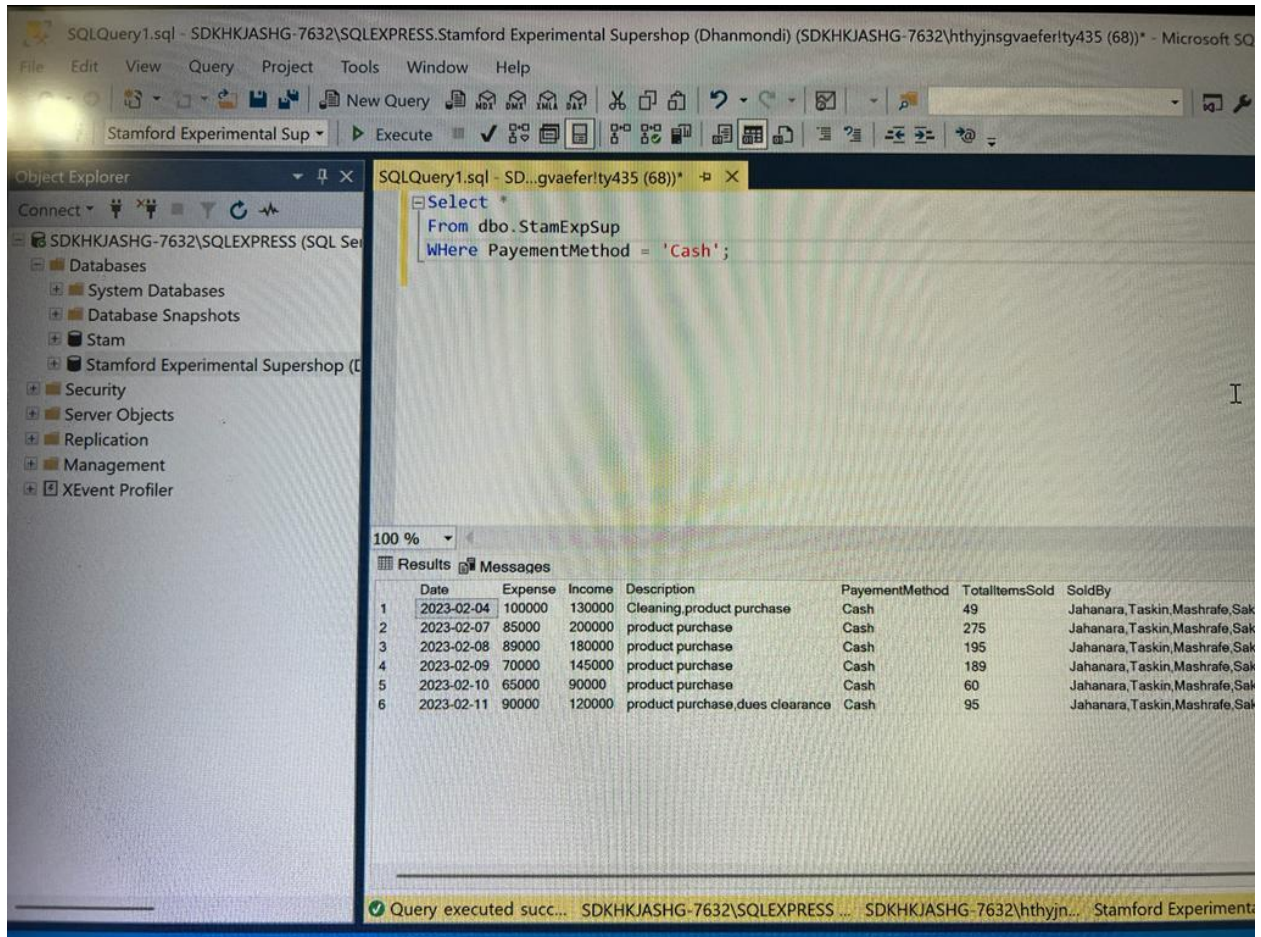


Pic 07 – Selecting data type.



Pic 08 – Using 'Select \*' command to open database.





Pic 09 – Command for finding where 'Cash' was used clear the payment.