Aim:

Implement data cleaning and applying appearance of first name and last name on C++.

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Theory.

Data cleaning is utmost important for any kind of data before you can make sense out of it and generate reports.

Let's say you get a ton of data which is extremely inconsistent in spaces,
"Mumbai is spelt as "Mumbai", "

Pata cleaning ar cleaning is the process of identifying and removing (our correcting) inaccurate orecords from a dataset, table or database and refers to recognising unfinished, unreliable, inaccurate our non relevant posts of the data and then restoring, remodelling, or removing the dirty or crude data.

Data clearing in excel:

In excel, we have a lot of functions to do this kind of cleanup of spaces and many more data cleaning to techniques. Some of the functions are:

= TRIM is used for removing extra spaces

= CLEAN removes all non printable characters from cell

-upper used to convert all characters to uppersone.

: LOWER used to convert all characters to lowercase

= PROPER used to convert first character to uppercase and others to lowercase

Data clearlying examples and Data Cleaning Methods in Excel. In

Gret vid of extra spaces Here, I have the text Welcome To Digital Vidya written in four different welcome to digital vidya welcome to digital vidya welcome to digital vidya So, to dean this data and get said of these extra spaces you can use the function Frim' Syntax: TRIM (TEXT) (hange text to Lower Upper Proper case: Here, I have names written in different ways you can see eithere it could be all caps, it could be all lowercase and in some cases, it's a mix and match of upportase flowercase so to make it all consistent you can use one of the Following Formulas: SYNTAX: LOWER() - converts to buser case mary jane UPPER - Converts to uppercase MARY JANE

C:\Windows\System32\cmd.exe

D:_3rdYrNotes\IT-3rd-year-notes\6th Sem\DM and DW\5>toUpper.exe

Enter first name: Pratyay Enter last name: Dhond

User Input: Pratyay Dhond

Data cleansing by applying uppercase:

PRATYAY DHOND

D:_3rdYrNotes\IT-3rd-year-notes\6th Sem\DM and DW\5>_

Output: to Upper. exe

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PROPER() - Converts all text to proper text case. Mary Jane PROGRAM: To convert input string into an appearage string. Logic: looping through the characters of the input String, and checking whether the character lies in the ASCII range 97-122 (all lower case lies in this range) If the character is found to be in this range them program converts it to an uppercase by subtracting 32 from ASCII values CODE: #include <iostream> using namespace stal; 5 bring upper (string str) & For (int 1=0; 12 Str. length (); 1++){ int ch: str[i]; if (ch > 96 66 ch < 123) { Str[i] = ch-32; return str; int main () { String First Name, lost Name; cout ec "Enter first Name: "; cin >> FirstName;

and settled principal true girls tryin with f determines with formating and checking in the string disper with in the second of the property and in the second I there is marging with a proper with of it has been a schooled at the Thus, I implemented data cleansing by applying uppercase of first Name

Conclusion:

and lastName in C++.

```
cout «"Enter last name: ";
                  cin >7 lastName;
                  Cout << "User Input: In";
                  cout << firstName << " " &lastName x < end];
                  FirstName = upper ( First Name );
                  lastName = upper (lastName);
                  cout < « "In Data of cleansing by applying uppercase: In";
                  cout << firstName << " " << lastName;
                 return 0;
              Thus, I implemented data cleansing by a applying upporcase of first Name and
Conclusion:
```

lest name in C++.