



# File Upload App

Upload your file below:

Choose a file



Drag and drop file here

Limit 200MB per file • CPP, TXT, PNG, JPG, JPEG

Browse



sample.cpp 0.8KB

File uploaded successfully!

Filename: sample.cpp

File type: application/octet-stream

File size: 826 bytes

```
UploadedFile(file_id='99612218-9918-41f1-a690-54a4b1684311', name='sample.cpp', type='application/octet-stream', size=826,
upload_url: "/_stcore/upload_file/ed0b446a-3acd-4a21-83c1-ca9731cf1f8a/99612218-9918-41f1-a690-54a4b1684311"
delete_url: "/_stcore/upload_file/ed0b446a-3acd-4a21-83c1-ca9731cf1f8a/99612218-9918-41f1-a690-54a4b1684311"
)
```

## File content

expand/minimize

File content

```
#include <iostream>
#include <string>
using namespace std;

void processOrder(int orderType, double orderValue, string customerStatus) {
    double fee = 0.0;

    // Determine the processing fee based on order type and customer status
    if (orderType == 1) { // Standard order
        fee = 5.0;
    }
    if (customerStatus == "VIP") {
        fee = 0.0;
    }
}
```

## Upload to Google Cloud Storage

Enter your Google Cloud Storage bucket name:

source-bucket-bre

Upload to GCS

File sample.cpp uploaded to source-bucket-bre.

# General Overview of C++ Code:

This C++ code snippet performs order processing by calculating the processing fee based on order type, order value, and customer status.

- **Business Process Name:** Order Processing
- **Main Steps:**
  1. **Order Type Determination:**
    - If the order type is Standard, the processing fee is \$5.00.
    - If the order type is Express, the processing fee is \$10.00.
    - If the customer is a VIP, they receive a discount on both Standard and Express orders.
  2. **Order Value Consideration:**
    - If the order value exceeds 500.00, *anadditional*20.00 high-value order fee is applied.
  3. **Processing Fee Calculation:**
    - The processing fee is calculated by combining the fees determined in Steps 1 and 2.
    - The final processing fee is then displayed.

## Functions:

1. **Function: processOrder**
  - **Business Logic or Purpose:** This function processes an order based on the given order type, order value, and customer status, and calculates the associated processing fee.
  - **Mandatory Variables:**
    - orderType: The type of order (Standard or Express).
    - orderValue: The total value of the order.
    - customerStatus: The status of the customer (Regular or VIP).
  - **Optional Variables:** None
  - **Return Type:** Void
  - **Functions Invoked from this function:** None

## Variables/Objects Used:

sl no	variable name	function name	datatype	business purpose
1	fee	processOrder	double	Stores the processing fee for the order.

## Decision Logic:

1. If the orderType is 1 (Standard), calculate the fee as \$5.00.
2. If the orderType is 2 (Express), calculate the fee as \$10.00.
3. If the customerStatus is "VIP", apply a discount to the fee calculated in Step 1 or 2.
4. If the orderValue is greater than 500.00, *addanadditional*20.00 high-value order fee to the fee calculated in Step 1, 2, or 3.

## Headers/external dependencies:

1. `<iostream>`
2. `<string>`