Problem: Shopping Cart Easy

Language Used: C++

A Console application which takes in these inputs:

```
Welcome to GadgetifyWithGSBlr

Enter you Name:          harshitha
Enter your phone Number: 9876543210
Choose a payment method:
1. Cash
2. Card
3. Online
enter the corresponding index: 2

Available products on our store:
1. Basshead earphones                   1200
2. Bluetooth computer mouse                    600
3. 64gb Pendrive                    880
4. Inkjet Printer                   3000
5. Laptop Stand                     800
6. USB keyboard                     390


Select the corresponding index:2

Quantity of Bluetooth computer mouse1
```

And generates a bill as the output:

```
                        GadgetifyWithGSBlr
            311/5 Akshay nagar, Bangalore, Karnataka, India
                          +91 9988776655

                          Hey, harshitha!
                           9876543210
Your Bill Details:

Item name:                Bluetooth computer mouse
Price:                    600
Quantity:                 1
Tax on the purchased product:  36
Amount to be paid:        636
Opted payment Method:     card

Date: 1-6-2020
time: 5:44:14

thankyou for shopping at GadgetifyWithGSBlr!
      Visit Again :)
--------------------------------
```

I have used an array of Structure objects to store the items available in GadgetifyWithGSBlr, along with their prices.

```
struct ShoppingItems {
    string itemName;
    int price;
};
```

Products function is used to assign the values to the object array.

```
void products() {
    object[0].itemName = "Basshead earphones";
    object[0].price = 1200;
    object[1].itemName = "Bluetooth computer mouse";
    object[1].price = 600;
    object[2].itemName = "64gb Pendrive";
    object[2].price = 880;
    object[3].itemName = "Inkjet Printer";
    object[3].price = 3000;
    object[4].itemName = "Laptop Stand";
    object[4].price = 800;
    object[5].itemName = "USB keyboard";
    object[5].price = 390;
}
```

```
int main()
{
    products();
    input();
    calculate();
    output();
    return 0;
}
```

- I have used 4 functions in my main.
- products() function for assigning the products to the array object.
- input() function to collect all the necessary information from the Customer
- calculate() function to calculate the tax and total amount payable by the user.
- output() function to generate the bill with billing details, date and time as mentioned in the problem statement.