BASAVESHWAR ENGINEERING COLLEGE

(AUTONOMOUS)

BAGALKOTE-587102

DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS

CERTIFICATE

This is to certify that asssignment project entitled "*BILL MAKING"* a bonafied work of, *Mr Santosh R Nayak*, *Mr Iranna Angadi .*

The report satisfies the academic requirements with respect to project work prescribed for the 3rd semester during the academic year 2022-2023. It is certified that all corrections/suggestions indicated assessement of the project have been satisfied.

PROJECT GUIDE:

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SIGNATURE WITH DATE:

BILL MAKING

INTRODUCTION:

An invoice is a bill that serves as proof of a transaction between a buyer and a seller. In this project, I will walk you through how to create an invoice with the Python programming language.

To create an Invoice with Python I will be using the basics of Python programming language. It is a beginner level task so it will help you to improve your coding skills. We don't need to make use of loops here, just print statements and formatting is all we need for this task.

CODE EXPLANATION:

- I will start by declaring six variables as the name of three products and their price, you can add more products to your list:

```
product1_name, product1_price = 'Books', 50.95
product2_name, product2_price = 'Computer', 598.99
product3_name, product3_price = 'Monitor', 156.89
```

- Let’s store the name and address of a company which is very important to show at the top of a receipt:

```
company_name = 'BEST BUY, inc.'
company_address = '144 Kalki.'
company_city = 'USA'
```

- Now I will store a greeting message in a variable to show at the end of the invoice, and then I will also create a border for the invoice:

```
message = 'Thanks for shopping with us today!'
# create a top border
print('*' * 50)
```

- Now I will print the name of the company in a tabular format, we will not print and execute at this stage, To make it look better I will create lines after the address of the company in the format of “=”:

```
print('\t\t{}'.format(company_name.title()))
print('\t\t{}'.format(company_address.title()))
print('\t\t{}'.format(company_city.title()))
# print a line between sections
print('=' * 50)
```

- Now let's print the names, and price of the products in the tabular format:

```
print('\tProduct Name\tProduct Price')
# create a print statement for each item
print('\t{}\t\t${}'.format(product1_name.title(), product1_price))
print('\t{}\t${}'.format(product2_name.title(), product2_price))
print('\t{}\t\t${}'.format(product3_name.title(), product3_price))
```

- Now again I will print a line using "=" and then I will print the total of the above products:

```
print('=' * 50)
# print out header for section of total
print('\t\t\tTotal')
# calculate total price and print out
total = product1_price + product2_price + product3_price
print('\t\t\t${}'.format(total))
# print a line between sections
print('=' * 50)
```

- At last, I will pass the greeting message that we declared above:

```
print('\n\t{}\n'.format(message))
```

SOURCE CODE :

```
# create a product and price for three items
product1_name, product1_price = 'Books', 50.95
product2_name, product2_price = 'Computer', 598.99
product3_name, product3_price = 'Monitor', 156.89

# create a company name and information
company_name = 'BEST BUY, inc.'
company_address = '144 Kalki.'
company_city = 'USA'

# declare ending message
message = 'Thanks for shopping with us today!'

# create a top border
print('*' * 50)

# print company information first using format
print('\t\t{}'.format(company_name.title()))
print('\t\t{}'.format(company_address.title()))
print('\t\t{}'.format(company_city.title()))
```

```
# print a line between sections
print('=' * 50)

# print out header for section of items
print('\tProduct Name\tProduct Price')

# create a print statement for each item
print('\t{}\t\t${}'.format(product1_name.title(),
product1_price))
print('\t{}\t${}'.format(product2_name.title(),
product2_price))
print('\t{}\t\t${}'.format(product3_name.title(),
product3_price))

# print a line between sections
print('=' * 50)

# print out header for section of total
print('\t\t\tTotal')

# calculate total price and print out
total = product1_price + product2_price + product3_price
print('\t\t\t${}'.format(total))
```

```
# print a line between sections
print('=' * 50)


# output thank you message
print('\n\t{}\n'.format(message))


# create a bottom border
print('*' * 50)
```

OUTPUT:

```
**************************************************
            BEST BUY, Inc.
            144 Kalki.
            USA.
==================================================
        Product Name    Product Price
        Books                $50.95
        Computer            $598.99
        Monitor             $156.89
==================================================
                    Total
                    $806.83
==================================================
```

Thanks for shopping with us today!

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CONCLUSION:

Billing System is a easy mission developed in Python.

This easy software also displays the whole expenses of every item with tax and without additional charges.