

PRACTICAL - 1

Aim: Create Google form For Student Registration to attend a Janmashtami Festival. (With File Upload).

Solution: [Janmashtami Celebration](#)

The form is titled "Janmashtami Celebration" and is intended for students to fill out to attend the festival. It includes the following fields:

- Enter your full name ***: A text input field containing "Joshi Rishi".
- Enter your Enrollment ID ***: A text input field containing "IU2341232551".
- Are you interested to participate in dahi handi competition? ***: A radio button group where "Yes" is selected.
- Upload your Arts**: A file upload button labeled "Add file".

At the bottom, there are "Submit" and "Clear form" buttons, and a note about never submitting passwords through Google Forms, along with links for abuse, terms of service, and privacy policy.

| A | B | C | D | E | F | G |
|---------------------------------|----------------------------|----------------------|--------------------------|--|---|---|
| Timestamp | Username | Enter your full name | Enter your Enrollment ID | Are you interested to participate in dahi handi competition? | Upload your Arts | |
| 2023/09/10 12:10:56 PM GMT+5:30 | rishirjjoshi@gmail.com | Joshi Rishi | IU2341232551 | Yes | | |
| 2023/09/10 12:16:29 PM GMT+5:30 | warun.parekh1503@gmail.com | warun parekh | iu2341231549 | Yes | https://drive.google.com/ | |

Signature of Faculty: _____

Date: _____

PRACTICAL - 2

Game On: Exploring the World of Gaming

rishirjjoshi@gmail.com [Switch account](#) 

* Indicates required question

Email *

Record rishirjjoshi@gmail.com as the email to be included with my response

What gaming platform do you prefer? *

PC
 Console
 Mobile

What are the essential components of a gaming PC setup, in your opinion? *

CPU
 GPU
 Display
 Storage
 Other: _____

What is your preferred gaming genre? *

FPS
 CO-OP
 Single player
 Multiplayer
 Other: _____

What is your all-time favorite video game and why? *

Your answer _____

What's the most memorable in-game moment you've experienced? *

Your answer _____

Submit **Clear form**

| | | | |
|--|-----------------------------------|------------------------|---|
| Timestamp | 2023/09/24 9:42:19 PM | 2023/09/24 10:09:41 PM | GMT+5:30 |
| Username | darshanjoshi246@gmail.com | modisagar97@gmail.com | vinay2225@gmail.com |
| What gaming platform? | PC | Mobile | PC |
| What are the essential components? | GPU | GPU | GPU |
| What is your preferred genre? | FPS | Multiplayer | Multiplayer |
| What is your all-time favorite game? | Valorant | Pubg | Grand theft auto. Allows free play as well as dedicated tasks as missions |
| What's the most memorable achievement? | Taking an ace in competitive mode | Na | Completing the mission that has increased difficulty level |

Signature of Faculty: _____

Date: _____

PRACTICAL - 3

[Click here to fill form](#)



Game On: Exploring the World of Gaming

rishirjjoshi@gmail.com [Switch account](#) 

* Indicates required question

Email *

Record rishirjjoshi@gmail.com as the email to be included with my response

What gaming platform do you prefer? *

PC
 Console
 Mobile

What are the essential components of a gaming PC setup, in your opinion? *

CPU
 GPU
 Display
 Storage
 Other: _____

What is your preferred gaming genre? *

FPS
 CO-OP
 Single player
 Multiplayer
 Other: _____

What is your all-time favorite video game and why? *

Your answer _____

What's the most memorable in-game moment you've experienced? *

Your answer _____

Signature of Faculty: _____

Date: _____

PRACTICAL - 4

Evolution of Java: A Journey Through Milestones

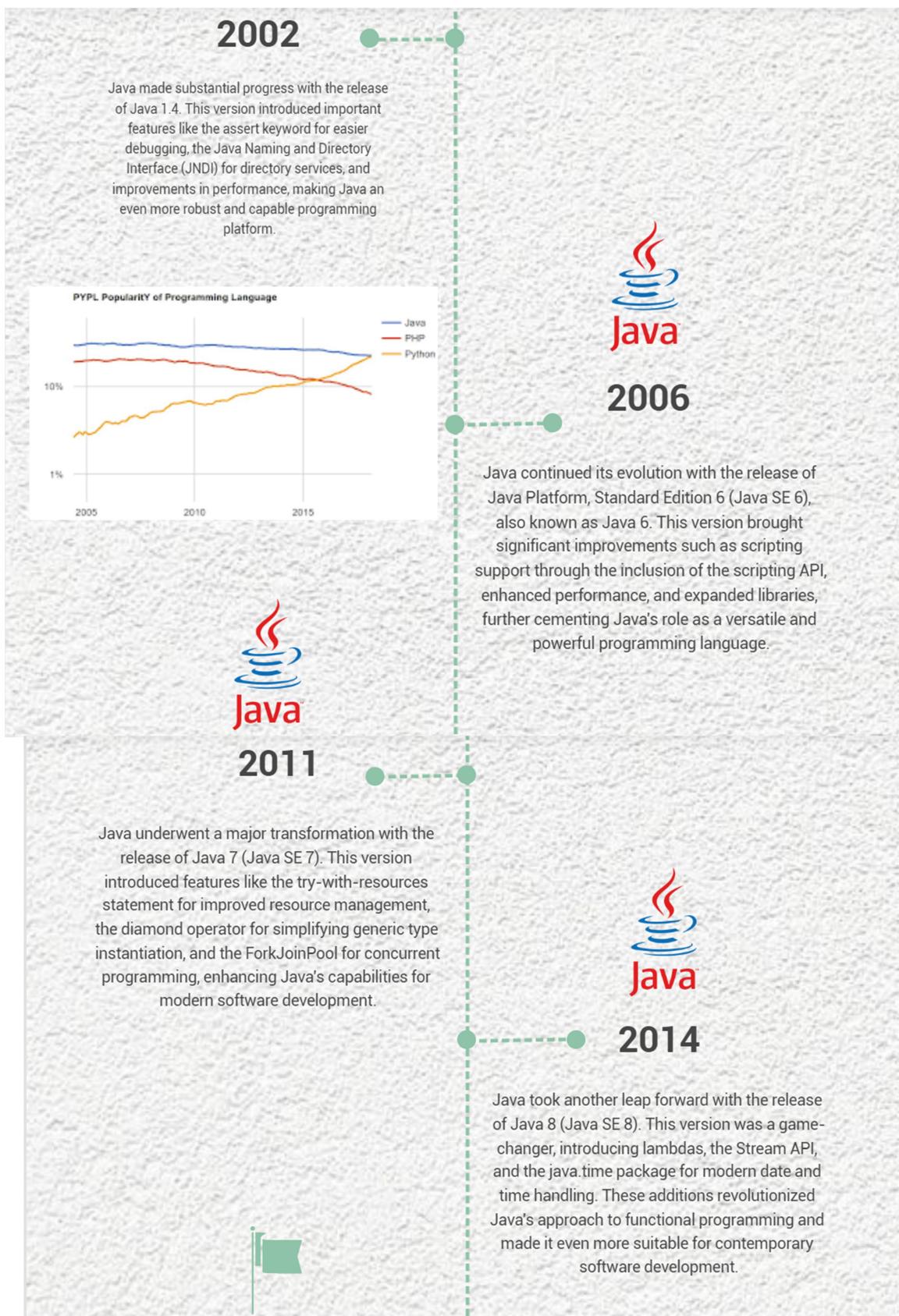
Tracing the Transformations and Innovations in Java Programming

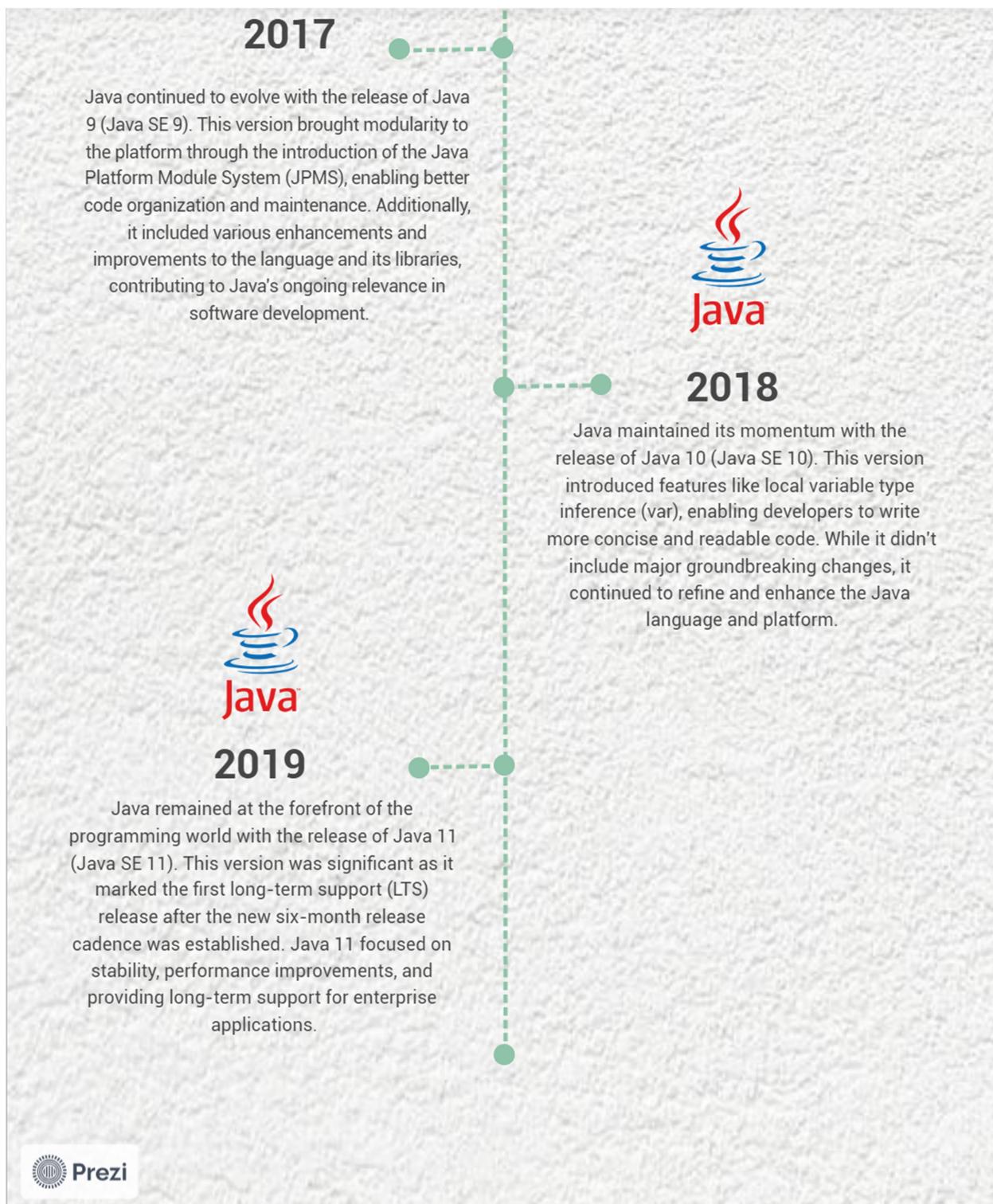
**1996**

Java was officially launched by Sun Microsystems in 1996, revolutionizing the world of programming with its platform-independent nature and "Write Once, Run Anywhere" capability. This event marked the beginning of Java's journey as a versatile and widely adopted programming language.

**1998**

Java continued to gain momentum with the release of Java 1.2, also known as Java 2. This version introduced significant enhancements, including the Swing GUI toolkit and the Collections Framework, solidifying Java's position as a leading language for both desktop and enterprise applications.





Signature of Faculty: _____

Date: _____

ASSIGNMENT (UNIT - 2)

Aim: Create Mail merge, HLOOKUP, Five Charts.

Mail Merge

Dear Faker (Sang-hyeok Lee),

Join us for an electrifying Valorant Esports Event!

Date: November 12, 2023

Time: 4:00 PM

Location: 120 W 5th St, Santa Ana, CA 92701

Experience:

- High-stakes Valorant matches
- Shoutcasting by esports commentators
- Giveaways and prizes
- Networking with fellow gamers

All levels of gamers are welcome, so bring friends and family. Please RSVP by November 5, 2023, to secure your spot.

Best regards,

Rishi Joshi

Signature of Faculty: _____

Date: _____

Dear s1mple (Oleksandr Kostyliev),

Join us for an electrifying Valorant Esports Event!

Date: November 12, 2023

Time: 4:00 PM

Location: 120 W 5th St, Santa Ana, CA 92701

Experience:

- High-stakes Valorant matches
- Shoutcasting by esports commentators
- Giveaways and prizes
- Networking with fellow gamers

All levels of gamers are welcome, so bring friends and family. Please RSVP by November 5, 2023, to secure your spot.

Best regards,

Rishi Joshi

Signature of Faculty: _____

Date: _____

Dear Ninja (Tyler Blevins),

Join us for an electrifying Valorant Esports Event!

Date: November 12, 2023

Time: 4:00 PM

Location: 120 W 5th St, Santa Ana, CA 92701

Experience:

- High-stakes Valorant matches
- Shoutcasting by esports commentators
- Giveaways and prizes
- Networking with fellow gamers

All levels of gamers are welcome, so bring friends and family. Please RSVP by November 5, 2023, to secure your spot.

Best regards,

Rishi Joshi

Signature of Faculty: _____

Date: _____

Dear Shroud (Michael Grzesiek),

Join us for an electrifying Valorant Esports Event!

Date: November 12, 2023

Time: 4:00 PM

Location: 120 W 5th St, Santa Ana, CA 92701

Experience:

- High-stakes Valorant matches
- Shoutcasting by esports commentators
- Giveaways and prizes
- Networking with fellow gamers

All levels of gamers are welcome, so bring friends and family. Please RSVP by November 5, 2023, to secure your spot.

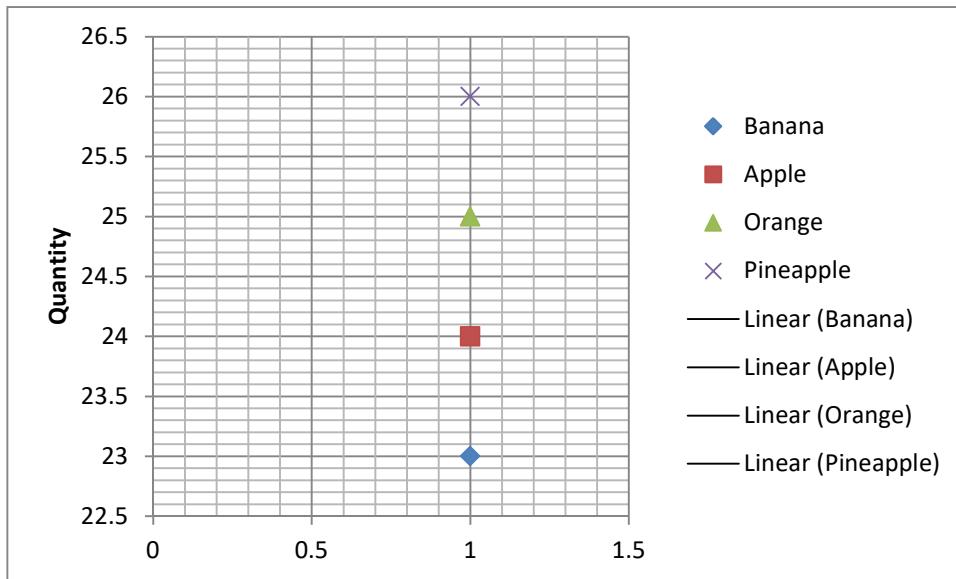
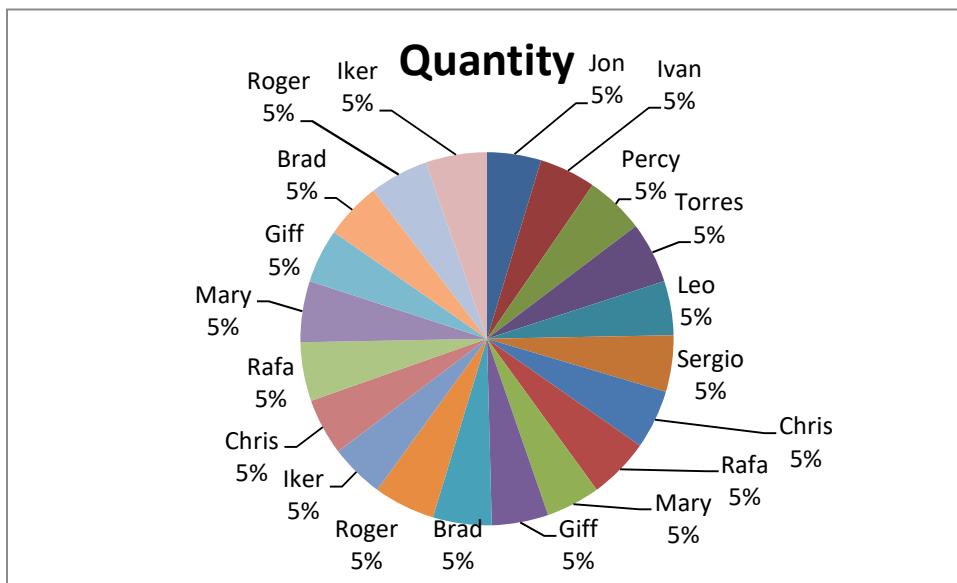
Best regards,

Rishi Joshi

Signature of Faculty: _____

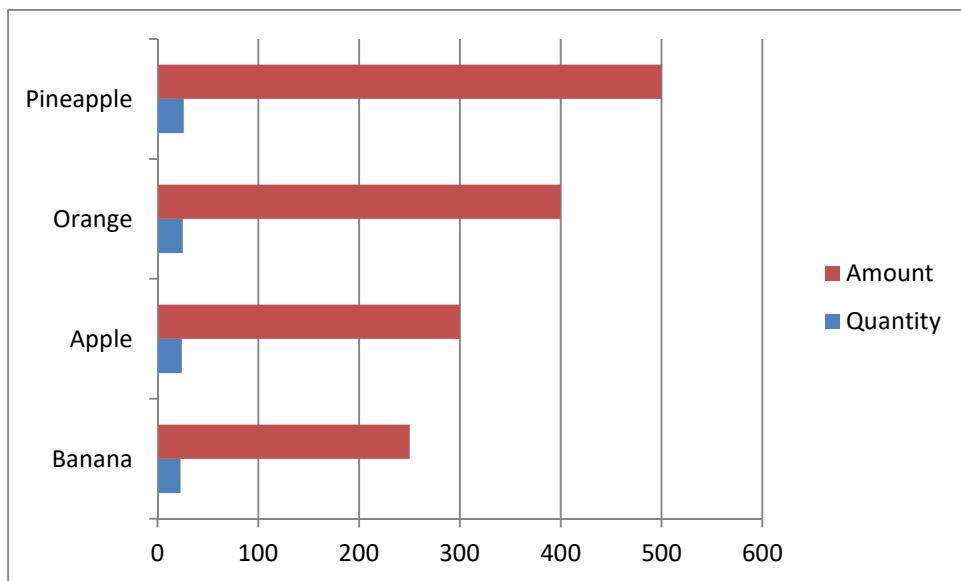
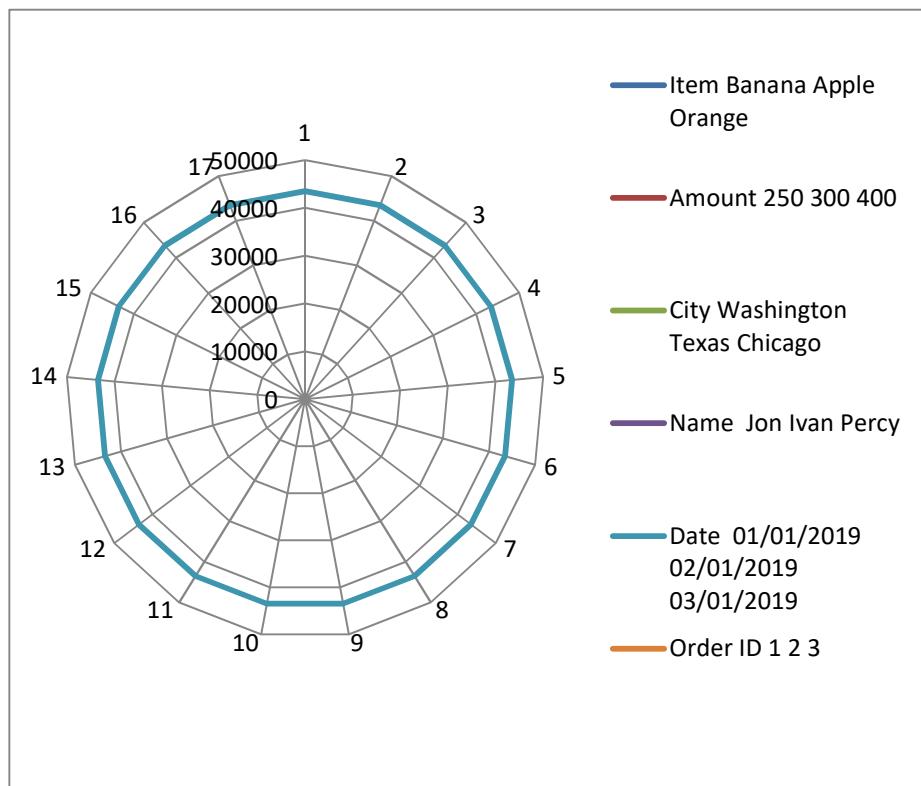
Date: _____

Five Charts



Signature of Faculty: _____

Date: _____



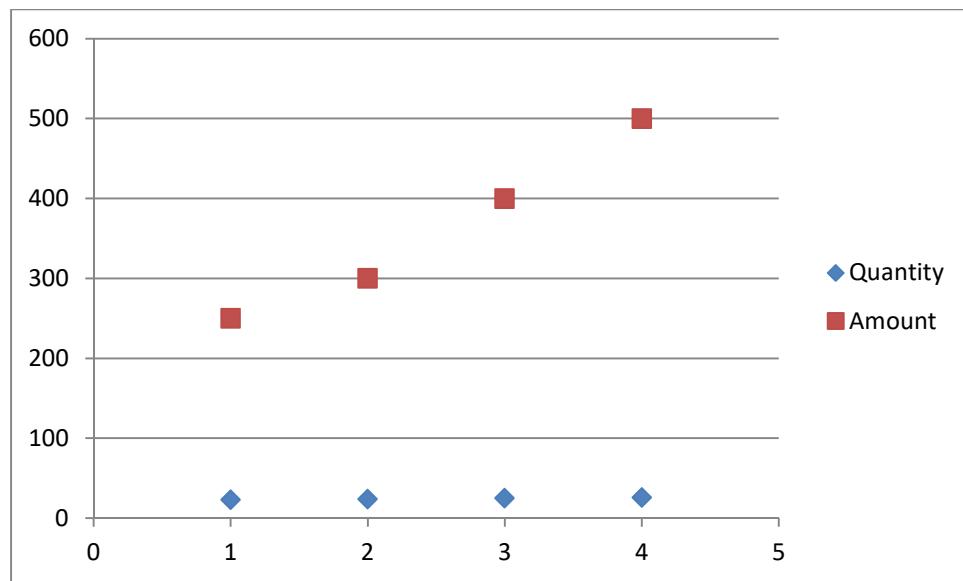
Signature of Faculty: _____

Date: _____

ENOROLLMENT NO: IU2341231551

SUBJECT: ICT (CE0325)

BATCH : 3CSE -E



Signature of Faculty: _____

Date: _____

HLOOKUP

| A | B | C | D | E | F | G | H | I |
|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---|
| Sales person | 2021 | 2022 | | | | | | |
| Luke | 34,543.00 | 45,673.00 | | | | | | |
| Oliver | 45,324.00 | 78,392.00 | | | | | | |
| Robin | 65,476.00 | 89,346.00 | | | | Luke | | |
| Aron | 66,783.00 | 67,876.00 | | | | 34543 | | |
| Leo | 47,167.00 | 47,167.00 | | | | | | |
| Henry | 46,548.00 | 90,362.00 | | | | | | |
| James | 88,673.00 | 78,345.00 | | | | | | |
| | | | | | | | | |
| Sales person | Luke | Oliver | Robin | Aron | Leo | Henry | James | |
| 2021 | 34,543.00 | 45,324.00 | 65,476.00 | 66,783.00 | 47,167.00 | 46,548.00 | 88,673.00 | |
| 2022 | 45,673.00 | 78,392.00 | 89,346.00 | 67,876.00 | 47,167.00 | 90,362.00 | 78,345.00 | |

=HLOOKUP(2021, A1:C7, MATCH("Oliver", A1:C8, 0), FALSE)

=HLOOKUP(2022, A1:C7, MATCH("Oliver", A1:C8, 0), FALSE)

| | | | |
|--|------|-------|--|
| | | Luke | |
| | 2021 | 45324 | |
| | 2022 | 78392 | |

Signature of Faculty: _____

Date: _____

PRACTICAL – 1

Aim :- Write a program to demonstrate various string method.

Code:

```
name = "Rishi joshi"  
length = len(name)  
print(length)  
num = 11  
temp = str(num)  
print(type(temp))  
name = "rishi joshi"  
name = name.upper()  
print(name)  
name = "RISHI JOSHI"  
name = name.lower()  
print(name)  
name = "rISHI jOSHI"  
name = name.capitalize()  
print(name)  
name = "rishi joshi"  
name = name.title()  
print(name)
```

Output:

```
PS C:\personal_documents\CSE\ICT> python -  
11  
<class 'str'>  
RISHI JOSHI  
rishi joshi  
Rishi joshi  
Rishi Joshi  
PS C:\personal_documents\CSE\ICT> █
```

PRACTICAL – 2

Aim :- Write a program to demonstrate accessing method of string characters.

Code:

```
name = "Rishi Joshi"  
# Accessing String through the index  
  
first_char = name[0]  
second_char = name[1]  
last_char = name[10]  
secLast_char = name[9]  
  
print(first_char)  
print(second_char)  
print(last_char)  
print(secLast_char)  
  
# Using slicing method  
  
substring = name[2:9]  
print(substring)
```

Output:

```
PS C:\personal_documents\CSE\ICT> python -u  
R  
i  
i  
h  
shi Jos  
PS C:\personal_documents\CSE\ICT> █
```

PRACTICAL – 3

Aim :- Write a program that create a list and perform various list method.

Code:

```
cars = ['Lancer',600,'rx7',800]
```

```
cars.append('Eclipse')
print(cars)
```

```
length = cars.remove(600)
print(cars)
```

```
cars.insert(2,"skyline")
print(cars)
```

```
number = [5, 2, 1, 4, 3]
number.sort()
print(number)
```

```
cars.reverse()
print(cars)
```

```
cars.pop()
print(cars)
```

Output:

```
PS C:\personal_documents\CSE\ICT> python -u "c:\
['Lancer', 600, 'rx7', 800, 'Eclipse']
['Lancer', 'rx7', 800, 'Eclipse']
['Lancer', 'rx7', 'skyline', 800, 'Eclipse']
[1, 2, 3, 4, 5]
['Eclipse', 800, 'skyline', 'rx7', 'Lancer']
['Eclipse', 800, 'skyline', 'rx7']
PS C:\personal_documents\CSE\ICT> █
```

PRACTICAL – 4

Aim :- Write a program to demonstrate the method of accessing list elements.

Code:

```
# Accessing through the index
languages = ["python", "c", "cpp", "java"]

print(languages[0])
print(languages[-1])
print(languages[-2])

# Accessing through the slicing
print(languages[2:4])
```

Output:

```
PS C:\personal_documents\CSE\ICT> python
python
java
cpp
['cpp', 'java']
PS C:\personal_documents\CSE\ICT> □
```

PRACTICAL – 5

Aim :- Write a program to demonstrate the method of tuple elements.

Code:

```
nums = (5, 3, 2, 4, 1, 2)
print(nums)
```

```
print(nums.count(2))
print(nums.index(2))
print(len(nums))
```

Output:

```
PS C:\personal_documents\CSE\ICT> python -
(5, 3, 2, 4, 1, 2)
2
2
6
PS C:\personal_documents\CSE\ICT> □
```

PRACTICAL – 6

Aim :- Write a program to create a dictionary and demonstrate various dictionary methods.

Code:

```
people = {"name" : "Rishi", "rollNo" : 551}
```

```
print(people.items())
print( people.keys())
```

```
people.update({"car" : "rx7"})
print(people.items())
print(people.get("car"))
```

Output:

```
PS C:\personal_documents\CSE\ICT> python -u "c:\personal_documents\
dict_items([('name', 'Rishi'), ('rollNo', 551)])
dict_keys(['name', 'rollNo'])
dict_items([('name', 'Rishi'), ('rollNo', 551), ('car', 'rx7')])
rx7
PS C:\personal_documents\CSE\ICT> █
```

Signature of Faculty: _____

Date: _____

PRACTICAL – 7

Aim :- Write a program to demonstrate various set methods.

Code:

```
# method 1 to create set  
dogs = {"pitbull", "husky"}
```

```
# method 2 to create set  
cats = set({"tiger", "lion"})
```

```
dogs.add("golden")  
print(dogs)  
print(len(dogs))
```

```
print(dogs.pop())
```

```
newSet = dogs.union(dogs,cats)  
print(newSet)
```

```
dogs.remove("golden")  
print(dogs)
```

```
dogs.clear()  
print(dogs)
```

Output:

```
PS C:\personal_documents\CSE\ICT> python -u  
{'husky', 'pitbull', 'golden'}  
3  
husky  
{'pitbull', 'lion', 'tiger', 'golden'}  
{'pitbull'}  
set()  
PS C:\personal_documents\CSE\ICT> █
```

PRACTICAL – 8

Aim :- Demonstrate difference between set and frozen set.

Code:

```
dogs = {"pitbull", "husky", "golden"}  
chooseDogs = frozenset(dogs)
```

```
print(dogs)  
print(chooseDogs)
```

```
dogs.add("german shepherd")  
print(dogs)  
# chooseDogs.add("german shepherd") it wil give you error
```

Output:

```
PS C:\personal_documents\CSE\ICT> python -u "c:\per  
{'pitbull', 'husky', 'golden'}  
frozenset({'pitbull', 'husky', 'golden'})  
{'pitbull', 'german shepherd', 'husky', 'golden'}  
PS C:\personal_documents\CSE\ICT> █
```

PRACTICAL – 9

Aim :- Give the difference between 1) list and tuple 2) set and dictionary.

Code:

Difference between List and Tuple

```
# List
```

```
my_list = [1, 2, 3]
```

```
my_list[0] = 4 # Lists are mutable, you can change elements
```

```
print(my_list) # Output: [4, 2, 3]
```

```
# Tuple
```

```
my_tuple = (1, 2, 3)
```

```
# my_tuple[0] = 4 # This would raise an error, tuples are immutable
```

```
print(my_tuple)
```

Output:

```
PS C:\personal_documents\CSE\ICT> python
[4, 2, 3]
(1, 2, 3)
PS C:\personal_documents\CSE\ICT> █
```

Signature of Faculty: _____

Date: _____

Difference between Set and Dictionary

```
# Set  
my_set = {1, 2, 3}  
my_set.add(4) # Sets are mutable, you can add and remove elements  
my_set.remove(2)  
print(my_set) # Output: {1, 3, 4}
```

```
# Dictionary  
my_dict = {'key1': 'value1', 'key2': 'value2'}  
my_dict['key3'] = 'value3' # Dictionaries are mutable, you can add,  
remove, and modify key-value pairs  
del my_dict['key2']  
print(my_dict) # Output: {'key1': 'value1', 'key3': 'value3'}
```

Output:

```
PS C:\personal_documents\CSE\ICT> python  
{1, 3, 4}  
{'key1': 'value1', 'key3': 'value3'}  
PS C:\personal_documents\CSE\ICT> █
```