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**19F-0348**

**OS Assignment # 04**

## **Question # 1:**

Graphical user interface, text, application, email, Teams

Description automatically generated

Text

Description automatically generated

## **Question # 2:**

Graphical user interface, text, application

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Text

Description automatically generated

## Graphical user interface, text, application, email Description automatically generated

Text

Description automatically generated

## **Question # 3:**

Graphical user interface, text, application

Description automatically generated

Text

Description automatically generated

## **Question # 4:**

Text

Description automatically generated

Its is printing **“hello”** and **“how are your”** each 100 times. But parallel. Its speed is so fast that we are unable to notice the parallel execution. But we can notice that. While executing **hello** it is also printing **how are you** in between hello. This means they are execution is parallel. And if we put sleep in both functions **thread1()** and **theard2()**. We will see the parallel execution like:

Hello!!

How are you?

Hello!!

How are you?

Hello!!

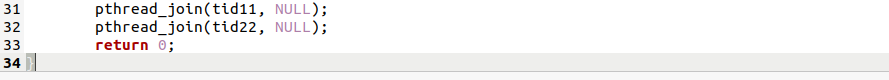
How are you?

…………………………………………………………. Continue till both printed 100 times.

But without sleep() we will see the parallel executing because of the mix output. Even each time we will find some different output sequence.

Text

Description automatically generated





## **Version 1**

Text

Description automatically generated

Shape, rectangle

Description automatically generated

A picture containing rectangle

Description automatically generated

## **Version 2**

Text

Description automatically generated

Shape, rectangle

Description automatically generated

Shape

Description automatically generated

Shape

Description automatically generated with medium confidence

## **Question # 5:**

Graphical user interface, text, application

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated Graphical user interface, text, application

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Text

Description automatically generated

Text

Description automatically generated