

Q1. Explain String class isEmpty() method in java programming?

Ans: It is used to check given String is empty or not

Syntax:

boolean isEmpty()

Example:

```
class A7{  
    public static void main(String args[]){  
        String s1="";  
        System.out.println(s1.isEmpty()); //true  
    }  
}
```

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Ln 4, Col 41

100%

Windows (CRLF)

UTF-8



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22°C



19:35
06-12-2024

```
class A7{  
    public static void main(String args[]){  
        String s1="hello";  
        System.out.println(s1.isEmpty()); //false  
    }  
}
```

Command Prompt

C:\Users\Admin\Desktop\Java Task>javac A7.java

C:\Users\Admin\Desktop\Java Task>java A7
false

C:\Users\Admin\Desktop\Java Task>

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```
class A7{  
    public static void main(String args[]){  
        String s1;  
        System.out.println(s1.isEmpty()); //compile Time error  
    }  
}
```

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Ln 4, Col 55

80%

Windows (CRLF)

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```
class A7{  
    public static void main(String args[]){  
  
        System.out.println("hello".isEmpty());  
  
    }  
  
}
```

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Ln 4, Col 40

70%

Windows (CRLF)

UTF-8



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19:39
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The screenshot shows a Windows desktop environment. In the foreground, a Notepad window titled 'A7 - Notepad' contains the following Java code:

```
class A7{  
    public static void main(String args[]){  
  
        System.out.println("hello".compareTo("hello"));  
  
    }  
}
```

Below the Notepad window, a Command Prompt window is open, displaying the command `java A7` and its output `0`. The Command Prompt title bar reads 'Command Prompt'. The Windows taskbar at the bottom shows the search bar, task view button, and several application icons. A notification from 'meet.google.com' is visible in the bottom right corner of the taskbar area.

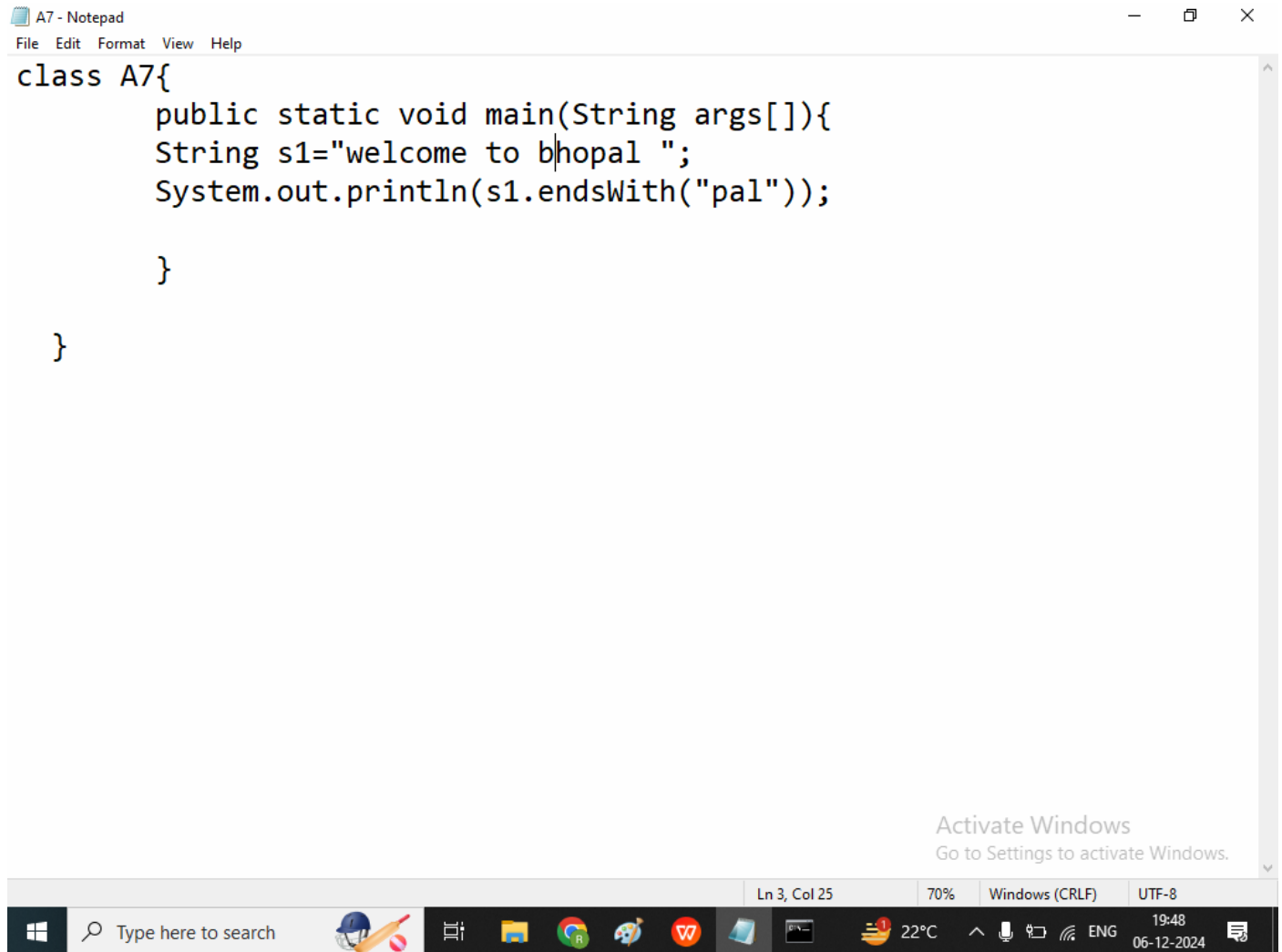
Q2. Explain String class `endsWith()` method in java Programming?

Ans: In java `endsWith()` method of the String is used to check if a given String ends with a specified suffix.

Suffix: A String to be checked at the end of the current String

Syntax:

boolean endsWith(String)



The screenshot shows a Notepad window titled 'A7 - Notepad' with a menu bar (File, Edit, Format, View, Help). The code inside is as follows:

```
class A7{  
    public static void main(String args[]){  
        String s1="welcome to bhopal ";  
        System.out.println(s1.endsWith("pal"));  
    }  
}
```

The status bar at the bottom indicates 'Ln 3, Col 25', '70%', 'Windows (CRLF)', and 'UTF-8'. A Windows taskbar is visible at the very bottom with various icons and a system clock showing 19:48 on 06-12-2024.

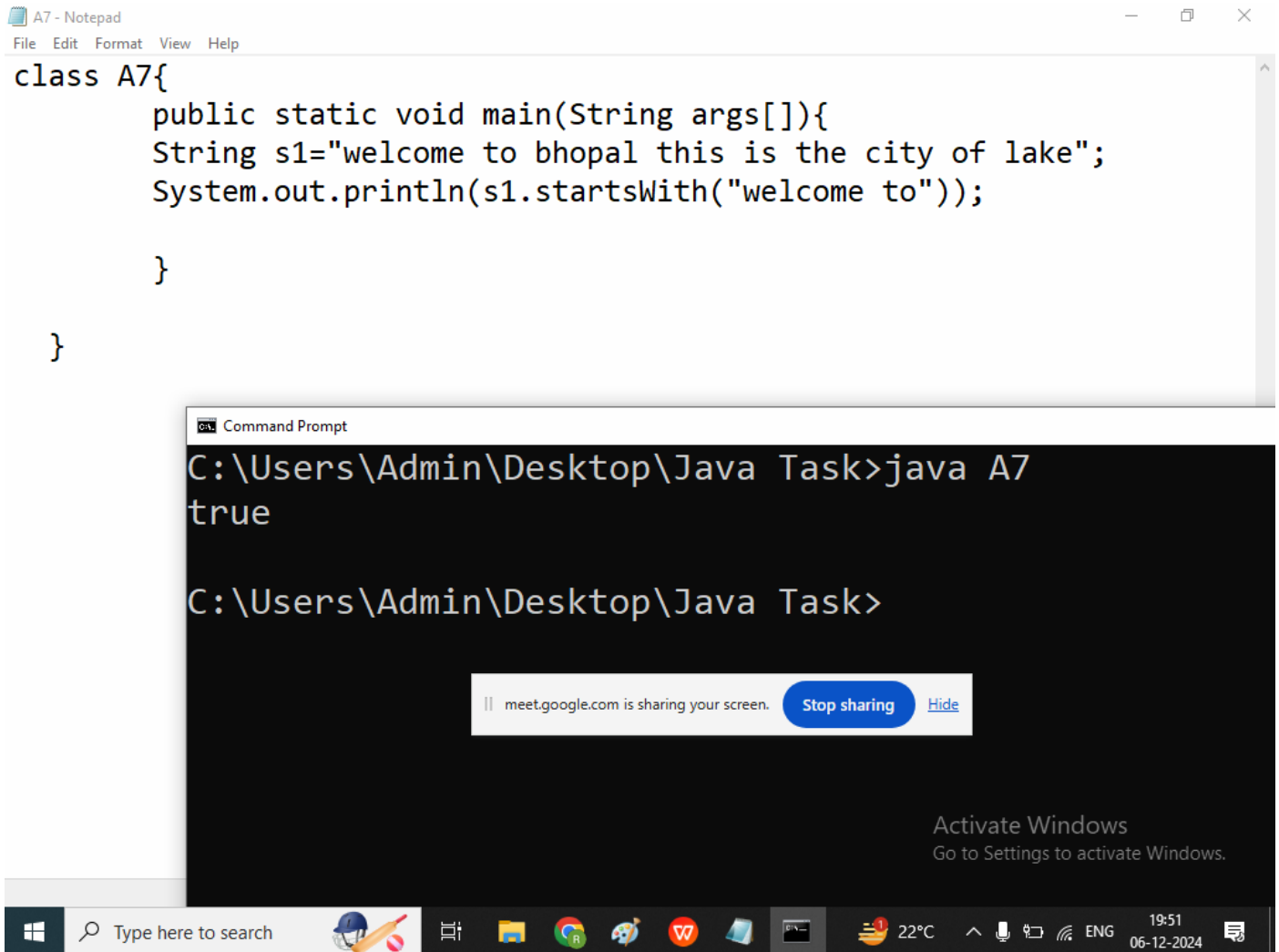
Q2. Explain String class startsWith() method in java Programming?

Ans: In java startsWith() method of the String is used to check if a given String starts with a specified prefix.

Prefix: A String to be checked at the starts of the current String

Syntax:

Boolean startsWith(String)



The image shows a Windows desktop environment. In the foreground, a Notepad window titled 'A7 - Notepad' contains the following Java code:

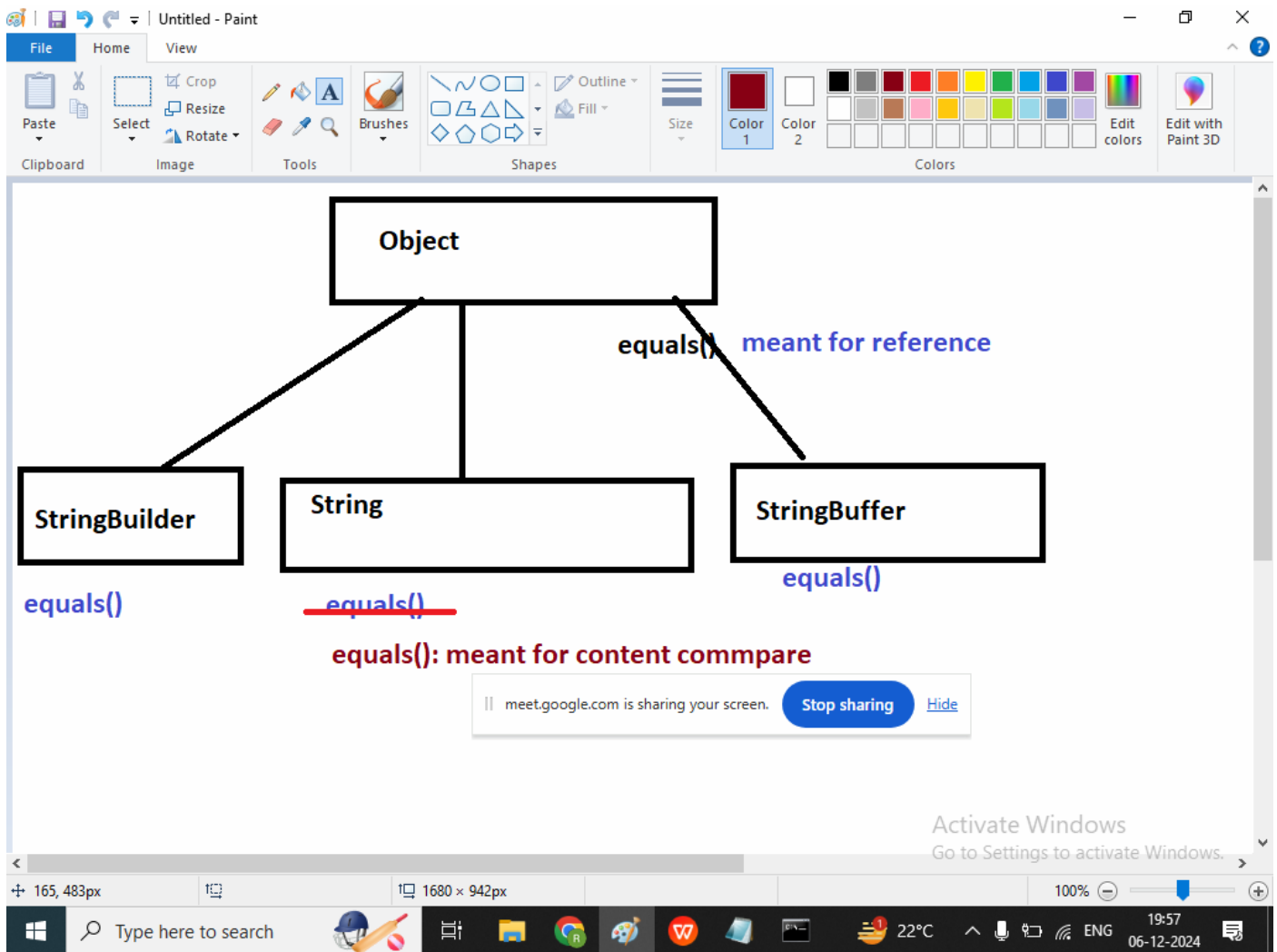
```
class A7{  
    public static void main(String args[]){  
        String s1="welcome to bhopal this is the city of lake";  
        System.out.println(s1.startsWith("welcome to"));  
    }  
}
```

Below the Notepad window, a Command Prompt window is open, showing the execution of the Java program. The prompt is at the directory `C:\Users\Admin\Desktop\Java Task`. The command `java A7` has been entered, and the output `true` is displayed on the next line. The prompt is ready for another command.

At the bottom of the screen, the Windows taskbar is visible, showing the Start button, a search bar, and several application icons. The system tray on the right indicates a temperature of 22°C, the time 19:51, and the date 06-12-2024. A notification from 'meet.google.com' is also present.

Q3. Explain String class equals() method In java Programming?

Ans:



Note: equals() method belongs to Object class
Object class equals method meant for reference
compare , but String not satisfied this
implementation
So String class override this method for content
compare

```
class A7{  
    public static void main(String args[]){  
        String s1="hello";  
        String s2="hello";  
  
        System.out.println(s1.equals(s2));  
  
    }  
}
```

Command Prompt

C:\Users\Admin\Desktop\Java Task>javac A7.java

C:\Users\Admin\Desktop\Java Task>java A7
true

C:\Users\Admin\Desktop\Java Task>

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```
class A7{  
    public static void main(String args[]){  
        Object s1="hello";  
        Object s2="hello";  
  
        System.out.println(s1.equals(s2));  
    }  
}
```

Command Prompt

true

C:\Users\Admin\Desktop\Java Task>javac A7.java

C:\Users\Admin\Desktop\Java Task>java A7
true

C:\Users\Admin\Desktop\Java Task>

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ENG

20:02

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```
class A7{  
    public static void main(String args[]){  
        Object s1=new StringBuffer("hello");  
        Object s2=new StringBuffer("hello");  
  
        System.out.println(s1.equals(s2));  
  
    }  
}
```

Command Prompt

```
C:\Users\Admin\Desktop\Java Task>javac A7.java
```

```
C:\Users\Admin\Desktop\Java Task>java A7  
false
```

```
C:\Users\Admin\Desktop\Java Task>
```

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20:03

06-12-2024