CP

1. Number Based Program
2. Array Based Program
3.String Based Program

Coding Task
Date: 6-DEC-2024
Question1:
Solution:
===============
Question2:
Solution:
===============
Date: 7-DEC-2024
Question1:
Solution:

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Question2:
Solution:
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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:

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


        }


}
```

Ln 4, Col 41   100%   Windows (CRLF)   UTF-8

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


        }

}
```

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


        }


}
```

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```
class A7{
        public static void main(String args[]){

        System.out.println("hello".isEmpty());

        }

  }
```

Ln 4, Col 40   70%   Windows (CRLF)   UTF-8

```
class A7{
        public static void main(String args[]){

        System.out.println("hello".compareTo("hello"));

        }

}
```

Command Prompt

```
C:\Users\Admin\Desktop\Java Task>java A7
0

C:\Users\Admin\Desktop\Java Task>
```
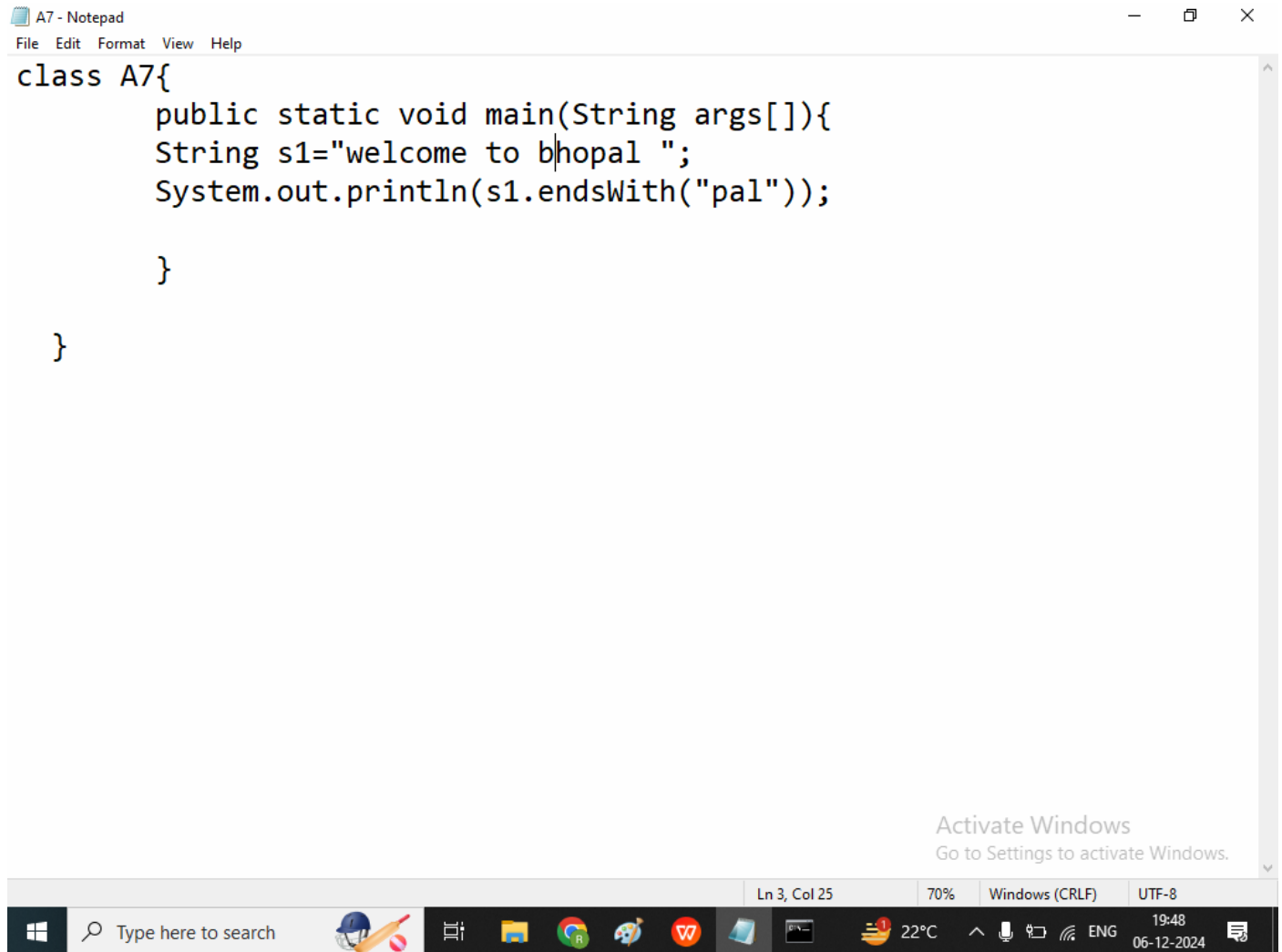
Q2. Explain String class endsWith() method in java Programming?

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)

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

        }

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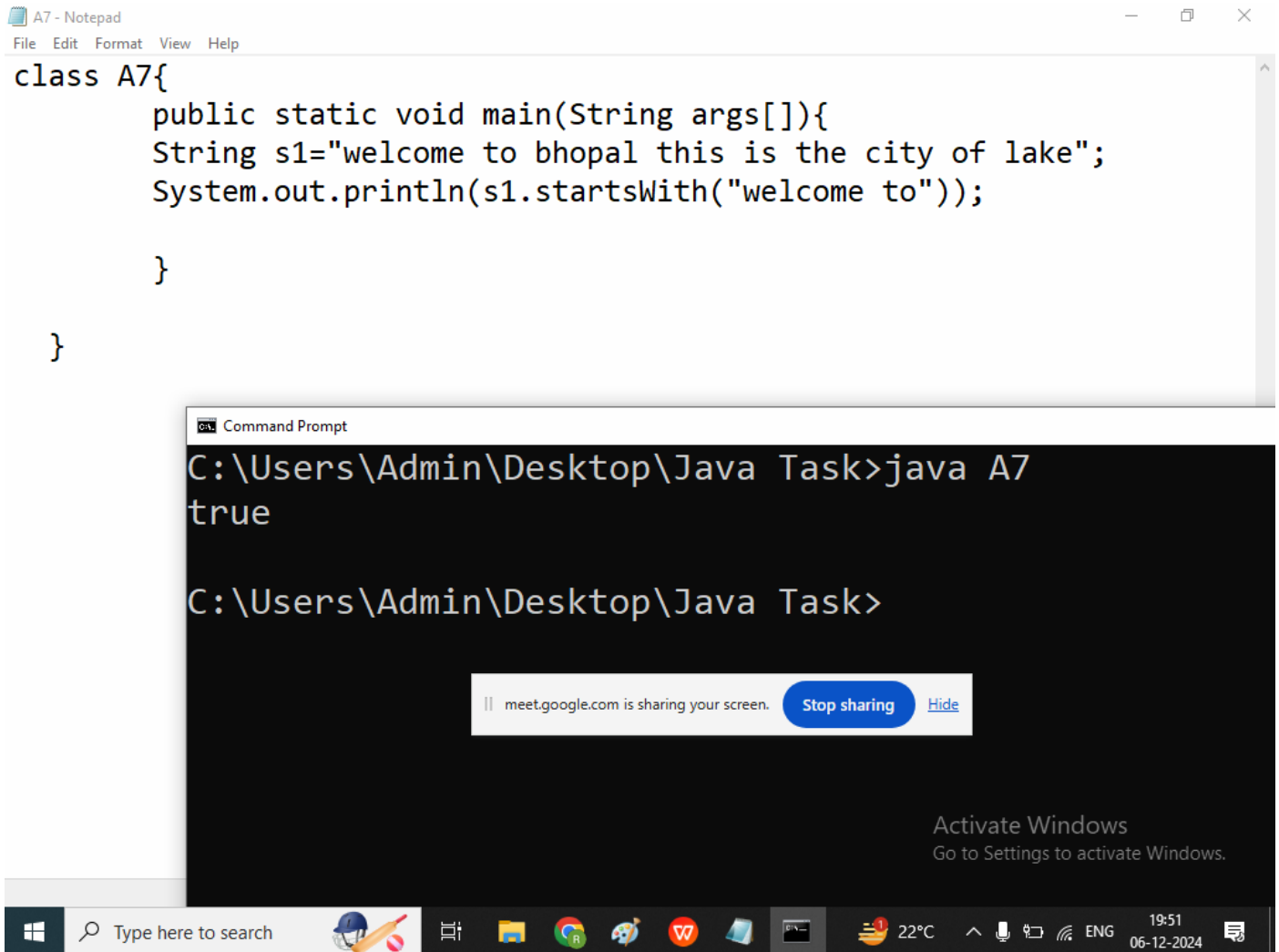
Q2. Explain String class startsWith() method in java Programming?

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)

```
A7 - Notepad
File  Edit  Format  View  Help
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"));

        }

  }
```
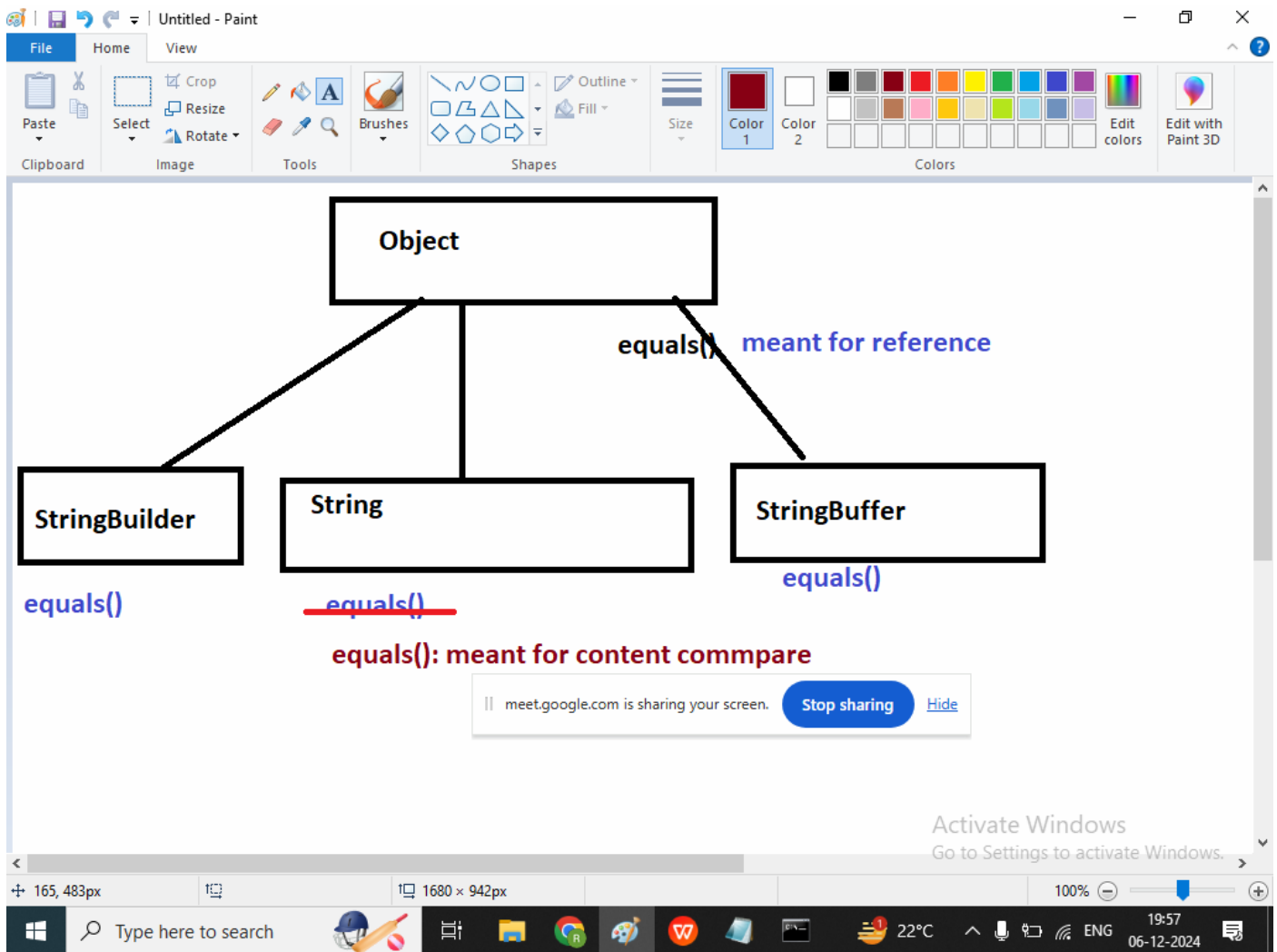
```
Command Prompt
C:\Users\Admin\Desktop\Java Task>java A7
true

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

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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));

        }

}
```

```
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
```

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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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