Experiment No.05

Date:

Roll No: B645

Aim : To implement a program for scrolling text in Java

Theory:

Applet :
An applet is a Java program that can be embedded into a web page. It web browser and works at An applet is embedded APPLET tag and hosted runs the inside the client side in an HTML page using the on a web server.

Thread-
Java has a thread class that has various methods to manage the behaviour of thread.

Function Used -
1.drawstring():
The function takes the parameters to be displayed including the string and the 2, y coordinates.

2.Public void update():
Function used to update x, y coordinate of text.
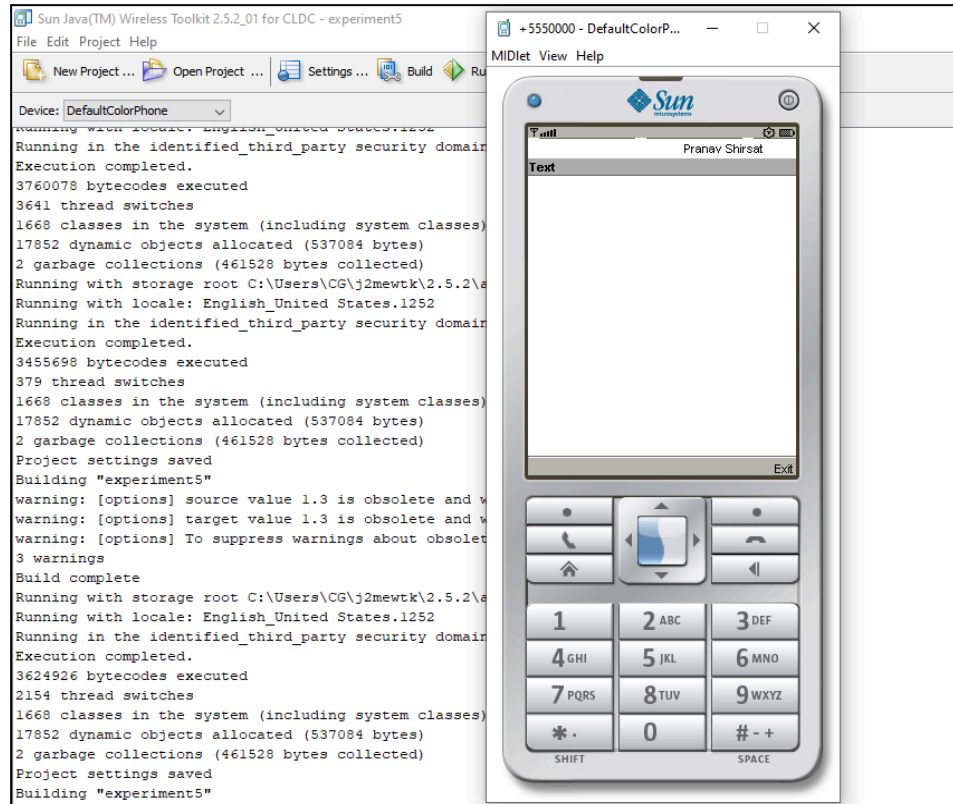
3. Public void run():
Function used to start the thread.

Code:

```
import javax.microedition.midlet.*;
import javax.microedition.lcdui.*;
public class marquee extends MIDlet implements CommandListener{
private Display display;
private Ticker text;
private Command exit;
private Form form;

public marquee()
{
form = new Form("Text");
display = Display.getDisplay(this);
text = new Ticker ("Welcome to MCC Practicals");
exit = new Command("Exit", Command.SCREEN, 1);
```

```
form.addCommand(exit);
form.setCommandListener(this);
form.setTicker(text);
}
public void startApp(){
display.setCurrent(form);
}
public void pauseApp(){}
public void destroy App(boolean unconditional) {
notify Destroyed();
}
public void commandAction(Command c, Displayable display) {
String label=c.getLabel();
if (label.equals("Exit")) {
destroy App(false);
}}}
```

Output:

Conclusion: Thus, we have implemented, program for scrolling text in Java