8. Modify assumption a. in exercise 7 so that the program presents a menu of pay rates from which to choose. Use a `switch` to select the pay rate. The beginning of a run should look something like this:

```
**************************************************************
Enter the number corresponding to the desired pay rate or action:
1) $8.75/hr                          2) $9.33/hr
3) $10.00/hr                         4) $11.20/hr
5) quit
**************************************************************
```

If choices 1 through 4 are selected, the program should request the hours worked. The program should recycle until 5 is entered. If something other than choices 1 through 5 is entered, the program should remind the user what the proper choices are and then recycle. Use `#defined` constants for the various earning rates and tax rates.

9. Write a program that accepts a positive integer as input and then displays all the prime numbers smaller than or equal to that number.

10. The 1988 United States Federal Tax Schedule was the simplest in recent times. It had