

LAB2.Functions2

1. Write program that prompts user to input integer number then check the number if was even or odd. (using void)
2. Write a function that return the factorial of number (n).
3. Write a function that uses for statements to print the following pattern. (using void)

```
    *
  * * *
 * * * * *
* * * * * *
```

4. Write a function absolute value that user enter integer number and check the number if this number negative convert to abs value.
5. Write a function (Salary Calculator) Develop a program that will determine the gross pay for each of several employees. The company pays “straight time” for the first 40 hours worked by each employee and pays “time-and-a-half” for all hours worked in excess of 40 hours. You’re given the number of hours each employee worked last week and the hourly rate of each employee. Here is a sample input/output dialog:
Enter number of hours worked (-1 to end): 39
Enter hourly rate of the worker (\$00.00): 10.00
Salary is \$390.00

LAB2 (H.W)

1. Write a function that uses a for statement to print the following.

```
* * * * *
+ + + + +
* * * * *
+ + + + +
* * * * *
```

2. Write an application that will display the student information input menu. The program will be five functions.

1. Get_stdname (na, le, de): [the user ask to enter student name, level, department].
2. Get_mark (m1, m2, m3, m4, m5, m6): [the marks are 6 after enter them sum all marks].
3. Get_avg (): [calculate average using function Get_mark ()/6].
4. Rating (): [calculate rating to use if avg 100 -90 “Excellent”, 89-80 “very good”, 79 -60 “Good”, 59 -50 “Weak”, 49 -1 “Fail”].
5. print all information of student.

3. Write a function that return the power of number ask the user to enter base and exp
pow (int base, int exp).