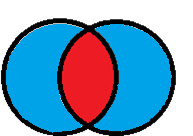
**Lab2 Assignment**

**Task1：**Complete the following programming projects.

1. Write a program, let the user input a score (100-mark system), if it is not less than 60, output “Congratulations! You passed the exam.”, otherwise output “Sorry, you failed the exam, you should work harder.” Name your program file **2.1.rap**.
2. Write a program: let the user enter his/her name and the gender information. Say hello to this user by outputting a message. Add the formal address Mr. or Ms. before the user name. For example, if the user’s name is Sophia and the user’s gender is female. The output should be “Hello, Ms. Sophia. Nice to meet you”. Name your program file **2.2.rap**.
3. Write a program to calculate  according to the input x. Name your program file **2.3.rap**.
4. Write a program: input a real numbers and output its integer part and its fractional part. Name your program file **2.4.rap**. (This real number can be a positive number or a negative number)
5. Write a program: input a point whose coordinate is (x, y); judge whether this point is **not in the blue region** depicted in the following picture. The radius of these two circles is 1. The center of the left circle is (1, 1), and the center of the right circle is (1, 2). Output the judgment result “The point (x, y) is/isn’t in the blue region”. Name your program file **2.5.rap**.



1. Write the program: input an integer which is in the interval [1, 12], output the corresponding month. For example, if the input is 1, the output is “January”. Name your program file **2.6.rap**.
2. Write a program to implement the charging function: the charging standard of Xi’an Taxi: the starting fare (<= 3 kilo-meters) is 9 yuan; if mileage is larger than 3 kilo-meters and less than or equal to 15 kilo-meters, the mileage larger than 2 kilometers is charged 1.5 yuan per kilo-meter; if the mileage is larger than 15 kilo-meters, the mileage larger than 15 kilo-meters is charged 2.1 yuan per kilo-meter. And lower than one kilo-meter is taken as one kilo-meter. Input the mileage, unit is kilo-meter; Output the charge and output unit is yuan. For example, if the mileage is 9.2, the charge is 19.5. Name your program file **2.7.rap**.
3. Write a program: input a four-digit number, then calculate and output the sum of each digit in this four-digit number. For example, if the input is 1234, the output should be 1+2+3+4 = 10. Name your program file **2.8.rap**.

**Assignment submission:**

You should submit all raptor files into the Directory Lab2 into your network drive. <http://192.168.0.248/inbox/>