Q1. What would be the output of the following code snippet.

```
int main() {                                    8:
    int r = <last digit of your roll number>;// <> is a digit
    int *ptr=nullptr;

    cout<< &r<< endl;
    cout<< ptr<<endl;
    ptr = &r;
    cout<<ptr<<endl;
    cout<<(*ptr)++<<endl;
    ++r;
    cout<<r<<endl;
    cout<<*ptr<<endl;

    return 0;
}
```
Output:

Q2. Write a function named divide that takes two integers, num1 and num2, and a pointer to an integer named resPtr. The function should divide num1 by num2 and store the quotient at the location pointed to by resPtr. In your main function, demonstrate the use of divide by calling it with sample numbers and then printing the result. Ensure that num2 is not zero. The function should be of void type.