Functions
(Assignment Solutions)

Question 1 :

```cpp
int reverse(int n) {
    int res = 0;
    while(n > 0) {
        int lastDig = n % 10;
        res = res*10 + lastDig;
        n = n/10;
    }
    return res;
}


bool isPalindrome(int num) {
    int revNum = reverse(num);
    return num == revNum;
}
```

Question 2 :

```cpp
int digSum(int n) {
    int res = 0;

    while(n > 0) {
        res += n % 10;
        n = n/10;
    }
    return res;
}
```

Question 3 :

```cpp
int abSquare(int a, int b) {
    return a*a + b*b + 2*a*b;
}
```

Question 4 :

```
int largest(int a, int b, int c) {
    if(a >= b && a >= c) {
        return a;
    } else if(b >= c) {
        return b;
    } else {
        return c;
    }
}
```

Question 5 :

```
char getNextChar(char ch) {
    if(ch == 'z') {
        return 'a';
    } else {
        return ch + 1;
    }
}
```