CS-1004 OOP (CS – A&B)   Quiz # 1 [25 marks]

Time = 20 minutes

Name: _____

Roll No: _____

Q-1) **For the Given codes, provide the output. If you find any error, correct that error and then provide output:**

``int main()
{
    int arr[] = {14, 15, 16, 17};
    int *p = (arr + 3);
    cout << *p + 1;
    return 0;
}```
	Output:

``int main ()
{
    int numbers[5];
    int p= numbers;
    *p = 20;
    p++; *p = 10;
    p = &numbers[2];   *p = 35;
    p = numbers + 3;   *p = 10;
    p = numbers;   *(p + 4) = 53;
    for (int n = 0; n < 5; n++)
        cout << numbers[n] << ",";
    return 0;
}```
	Output:

``int main()
{
    const int a = 3;
    int* p = &a;
    cout << *p * *p;
}```
	Output:

``int check(char* a, char* b)
{
    for (; *a == *b; a++, b++)
            if (*a == '\0')
                    return 0;
    return *a - *b;
}
int main()
{
    char a[10] = "ABCD", b[10] = "abcd";
    cout << check(b, a) << endl;
}```
	Output:

``int* check(int num)
{
    num += 2;
    num = num * num + 10;
    return #
}
int main()
{
    int num = 3;
    int* q;
    q= check(num);
    *q += 2;
    cout << *q;
    return 0;
}```
	Output:

What does following statement represent? ```char ***p;``` Answer:	

Q-2) **Write a complete C++ code that inputs a character array from a user. After taking input it calls a function**
CountThree(char *) **that counts three letter words from that character array and returns that value to main().**