

C Programming
LAB ASSIGNMENT-3
Section – E

Program 1: Write a C program using nested if else statement to check the following conditions.

If number is even and also divisible by 3
print “number is even and also divisible by 3”.
If number is even but not divisible by 3
print “number is even but not divisible by 3”.
Otherwise print “odd number”.

Program 2: Write a C program to print the result of a student for 5 different subjects scored out of 50 marks on following condition:

- (I) If percentage (%) is greater than 75 and score more than 65% marks in any subject
Result: **Merit with distinction**
- (II) If percentage (%) is between 65 and 75 and score more than 65% marks in at least one subject
Result: **First division with distinction**
- (III) If percentage (%) is between 55 and 65
Result: **Second division**
- (IV) If percentage (%) is less than 55 but score minimum 35% marks in each subject
Result: **Pass with Grace**
- (V) If percentage (%) is less than 55 but score less than 35% marks in any subject
Result: **Fail**

Program 3: Write a C program to find Armstrong numbers less than 1000 and except 0 and 1.

Program 4: Write a C program to print the reverse of a 3-digit number.

Example: Input: 345

Output: 543