

1. Write a C language function that reverse a number.

Example:  $x = 15423$

Expected output = 32451

2. Write a C language function which says whether a number is perfect.

Example : The first perfect number is 6, because 1,2 and 3 are its proper positive divisors, and  $1+2+3=6$ . Equivalently, the number 6 is equal to half the sum of all its positive divisors:  $(1 + 2 + 3 + 6)/2 = 6$ . The next perfect number is  $28 = 1 + 2 + 4 + 7 + 14$ . This is followed by the perfect numbers 496 and 8128.

3. Write a C language function to convert an amount to coins.

Example : amount to coins (46,[25,10,5,2,1])

Here 46 is the amount. And 25,10,5,2,1 are coins.

Output : 25, 10, 10, 1.