



Department of Computer Science & Engineering

LAB MANUAL

Industrial Training

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Course Name	Industrial Training



Faculty Incharge

Aim: Form a new number

Write a recursive function `evenDigits` that accepts an integer parameter `n` and returns a new integer containing only the even digits from `n`, in the same order. If `n` does not contain any even digits, return 0.

For example, the call of `evenDigits(8342116)` should return 8426 and the call of `evenDigits(35179)` should return 0.

Solution:

```
class Result{
    static int evenDigits(int n){
        if(n==0)return 0;
        int ld = n%10;
        int r = evenDigits(n/10);
        if(ld%2==0)
            return r*10+ld;
        return r;
    }
}
```

