#include<stdio.h>

int main()

{

int n=0,d=0,s=0;

for(int i=1000;i<9999;i=i+2)

{

n=i;

while(n>9)

{

while(n!=0)

{

d=n%10;

s=s+d;

n=n/10;

}

n=s;

s=0;

}

if(n%2==0)

{

printf("\nEven found");

printf("\nSingle digit obtained is %d",n);

}

else

{

printf("\nodd found");

printf("\n Single digit obtained %d",n);

}

}

return 0;

}