**JAVA Program to concatenate the string Using math logic and string Function**

public class MyClass {

public static int power(int p)

{

int c=0,i,po;

while(p!=0)

{

c+=1;

p=p/10;

}

if(c==0)

{

return 1;

}

else if(c==1)

{

return 10;

}

else if(c==2)

{

po=10\*10;

return po;

}

else

{

po=10\*10;

for(i=3;i<=c;i++)

{

po=po\*10;

}

return po;

}

}

public static void main(String args[]) {

int x[]=new int[6];

int e[]=new int[6];

int o[]=new int[6];

int res[]=new int[6];

int i,c=0,d=0,esum=0,osum=0;

x[0]=1;

x[1]=2;

x[2]=3;

x[3]=4;

x[4]=5;

x[5]=6;

for(i=0;i<x.length;i++)

{

if(x[i]%2==0)

{

e[c++]=x[i];

esum=esum+x[i];

}

else

{

o[d++]=x[i];

osum=osum+x[i];

}

}

res[0]=esum;

res[1]=c;

res[2]=e[0];

res[3]=o[0];

res[4]=d;

res[5]=osum;

int r= res[0];

//System.out.println(esum+" "+osum+" "+c+" "+d);

for(i=0;i<5;i++)

{

int b=power(res[i+1]);

r=r\*b+res[i+1];

}

System.out.println(r); //Using Math Logic

for(i=0;i<c;i++)

{

String con=""+esum+c+e[i]+o[i]+d+osum;

System.out.println(con); //Using String Function

}

}

}