**DAY 4 – INTRODUCTION TO OOPS CONCEPTS AND CONTROL FLOW**

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**1.java program to print hello world**

Class HelloWorld{

Public static void main(String []args){

System.out.println(“hello world”);

}

}

**2.java program to calculate compound interest**

public class CompoundInterest{

public void calculate(int p, int t, double r, int n) {

double amount = p \* Math.pow(1 + (r / n), n \* t);

double cinterest = amount - p;

System.out.println("Compound Interest after " + t + " years: "+cinterest);

System.out.println("Amount after " + t + " years: "+amount);

}

public static void main(String args[]) {

CompoundInterest obj = CompoundInterest();

obj.calculate(2000, 5, .08, 12);

}

}

3. **java program to find power of a number**

class Main {

public static void main(String[] args) {

int base = 3, exponent = 4;

long result = 1;

while (exponent != 0) {

result \*= base;

--exponent;

}

System.out.println("Answer = " + result);

}

}