Psuedocode

class Assignment4A {

static void mainString[] args {

PRINTbaseCase5672, 8, 1 ;

PRINTnumConvert16 ;

}

static double baseCasedouble num, double base, double power {

IF num LESS THAN base

RETURN num;

IF Math.powbase,power LESS THAN num

{

RETURN baseCasenum,base,power+1 ;

}

power = power - 1;

double ans = Math.powbase,power ;

ans = Math.floornum DIVEDED BY ans ;

IF num % Math.pownum,power ==0 {

RETURN ans\*Math.pow10,power ;

}

else{

num = num - Math.powbase,power \*ans ;

RETURN ans\*Math.pow10,power + baseCasenum,base,1 ;

}

}

static String numConvertint num {

switch num {

case 0:

RETURN "0";

case 1:

RETURN "1";

case 2:

RETURN "2";

case 3:

RETURN "3";

case 4:

RETURN "4";

case 5:

RETURN "5";

case 6:

RETURN "6";

case 7:

RETURN "7";

case 8:

RETURN "8";

case 9:

RETURN "9";

case 10:

RETURN "A";

case 11:

RETURN "B";

case 12:

RETURN "C";

case 13:

RETURN "D";

case 14:

RETURN "E";

case 15:

RETURN "F";

case 16:

RETURN "G";

case 17:

RETURN "H";

case 18:

RETURN "I";

case 19:

RETURN "J";

case 20:

RETURN "K";

case 21:

RETURN "L";

case 22:

RETURN "M";

case 23:

RETURN "N";

case 24:

RETURN "O";

case 25:

RETURN "P";

case 26:

RETURN "Q";

case 27:

RETURN "R";

case 28:

RETURN "S";

case 29:

RETURN "T";

case 30:

RETURN "U";

case 31:

RETURN "V";

case 32:

RETURN "W";

case 33:

RETURN "X";

case 34:

RETURN "Y";

case 35:

RETURN "Z";

default :

RETURN "0";

}

}

}