**JAVA PROGRAMMING**

**ASSIGNMENT 1**

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Place, Place value and face

Program

import java.util.Scanner;

public class PlacePlaceValueFace{

public static void main(String[] args){

int a, b, c = 1, d, rem, f;

Scanner sc = new Scanner(System.in);

System.out.print("\nEnter the number: ");

a = sc.nextInt();

f = a;

System.out.print("\nEnter the digit: ");

b= sc.nextInt();

while(true){

rem = a % 10;

a = a / 10;

if (rem == b){

d = c \* rem;

break;

}

c = c \* 10;

}

if (c == 1){

System.out.println("\nPlace: Ones");

}

else if (c == 10){

System.out.println("Place: Tens");

}

else if (c == 100){

System.out.println("Place: Hundreds");

}

System.out.println("Place value: " + d);

System.out.println("Face value: " + rem);

}

}

Largest and Smallest of the given digits

Program:

import java.util.Scanner;

import java.util.Arrays;

public class LongestAndShortest{

public static void main(String[] args){

int i,num1, num2,n;

int arr[] = new int[4];

Scanner sc = new Scanner(System.in);

for(i = 0; i < 4; i+=1){

arr[i] = sc.nextInt();

}

num1 = 0;

num2 = 0;

Arrays.sort(arr);

String s1 = "",s2 = "";

for(i = 3; i >= 0 ; i-=1) {

s1 = Integer.toString(arr[i]);

s2 = s2 + s1;

}

num1 = Integer.parseInt(s2);

System.out.println("Largest number is " + num1);

String s3 = "",s4 = "";

for(i = 0; i < 4; i+=1) {

s3 = Integer.toString(arr[i]);

s4 = s4 + s3;

}

num2 = Integer.parseInt(s4);

System.out.print("Smallest number is " +num2);

}

}

Minimum number of currency notes

Program:

import java.util.Scanner;

public class Coins{

public static void main(String[] args){

int amount;

Scanner sc = new Scanner(System.in);

System.out.print("\nEnter the amount: ");

amount = sc.nextInt();

int coins[] = {2000,500,200,100,50,20,10,5,2,1};

int i,notes = 0;

for(i = 0 ; i < 10; i ++){

notes += amount / coins[i];

amount %= coins[i];

}

System.out.println("Minimum number of currency notes required: "+ notes);

}

}