

INSTITUTE OF SOFTWARE ENGINEERING

**GRADUATE DIPLOMA IN SOFTWARE ENGINEERING**

**ASSIGNMENT NAME**

Programming fundamentals

**ASSIGNMENT NO**

05

NUMBER OF QUESTIONS:

NUMBER OF COMPLETED QUESTIONS: NUMBER OF REMAINING QUESTIONS:

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BATCH NO: 59

01.

class Example{

public static void main(String args[]){ int i=0;

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

System.out.println("Hello World");

}

}

}

02.

class Example{

public static void main(String args[]){ int i=1;

for(; i<101; i++){

System.out.println(i);

}

}

}

03.

class Example{

public static void main(String args[]){ int i=100;

for(; i>0; i--){

System.out.println(i);

}

}

}

04.

class Example{

public static void main(String args[]){ for(int n=0; n<101; n++){

System.out.println(n++);

}

}

}

05.

import java.util.Random; class Example{

public static void main(String args[]){ Random input=new Random(); for(int i=0; i<10; i++){

int x=input.nextInt(101); System.out.println(x);

}

}

}

06.

import java.util.Random; class Example{

public static void main(String args[]){ Random input=new Random();

for(int i=0; i<101; i++){

int x=input.nextInt(101); if(x%2 !=0) System.out.println(x);

}

}

}

07.

class Example{

public static void main(String args[]){ for (char c = 'A'; c <= 'Z'; c++) {

System.out.println(c);

}

}

}

08.

class Example{

public static void main(String args[]){ System.out.println(2); System.out.println(3); System.out.println(5); System.out.println(7);

for(int i=2; i<101; i++){ double d1= i%2; double d2= i%3; double d3= i%5; double d4= i%7;

if(d1 != 0 && d2 != 0 && d3 != 0 && d4 !=0){ System.out.println(i);

}

}

}

}

09.

import java.util.Scanner; class Example{

public static void main(String args[]){ Scanner input=new Scanner(System.in); System.out.print("Enter an Integer : "); int n=input.nextInt();

int total=1; for(int i=n; i !=1; i--){

System.out.println(n); total = total \* n;

n--;

}

System.out.println("Total is : "+total);

}

}

10.

import java.util.Scanner; class Example{

public static void main(String args[]){ Scanner input=new Scanner(System.in); System.out.print("Enter an Integer : "); int n=input.nextInt();

int total=1; for(int i=n; i !=1; i--){

System.out.println(n); total = total \* n;

n--;

}

System.out.println("Total is : "+total);

}

}

11.

import java.util.Scanner; class Example{

public static void main(String args[]){ Scanner input=new Scanner(System.in);

int count= 0;

for(int i=0; i<50; i++){ System.out.print("Enter Number : ");

int n=input.nextInt(); if(n>100){

count=count+1;

}

}

System.out.println("Count of greater than 100 : "+count);

}

}

12.

import java.util.Scanner; class Example{

public static void main(String args[]){ Scanner input=new Scanner(System.in);

int total=0;

for(int i=0; i<10; i++){ System.out.print("Enter Marks : "); int marks=input.nextInt();

total += marks;

}

System.out.println("total : "+total); double avg=total/10; System.out.println("average : "+avg);

}

}

13.

import java.util.Scanner; class Example{

public static void main(String args[]){ Scanner input=new Scanner(System.in); double weight;

double height;

for(int i=0; i<100; i++){ System.out.print("Enter Weight (Kg) : ");

weight=input.nextDouble(); System.out.print("Enter Height (Cm) : "); height=input.nextDouble();

double total= weight+height; double avg=total/2;

System.out.println("avarage is : "+avg);

}

}

}

14.

import java.util.Scanner; class Example{

public static void main(String args[]){ Scanner input=new Scanner(System.in);

System.out.print("Enter number of employees : " ); int n=input.nextInt();

int total=0;

for(int i=1; i != (n+1); i++){ System.out.print("Enter salary "+i+" :"); int salary=input.nextInt(); total=total+salary;

}

System.out.println(total);

int a=total/5000; System.out.println("Rs 5000 : "+a); int aa=total%5000;

int b= aa/1000; System.out.println("Rs 1000 : "+b); int bb=aa%1000;

int c=bb/500; System.out.println("Rs 500 : "+c); int cc=bb%500;

int d=cc/100; System.out.println("Rs 100 : "+d); int dd=cc%100;

int e=dd/50; System.out.println("Rs 50 : "+e); int ee=dd%50;

int f=ee/20; System.out.println("Rs 20 : "+f); int ff=ee%20;

int g=ff/10; System.out.println("Rs 10 : "+g); int gg=ff%10;

int h=gg/5; System.out.println("Rs 5 : "+h); int hh=gg%5;

int j=hh/2; System.out.println("Rs 2 : "+j); int jj=hh%2;

int k=jj/1; System.out.println("Rs 1 : "+k);

}

}

15. C

16.

0 1 2 3 4 5 6 7 8 9 0 2 4 6 8 1 3 5 7 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8

9 1 2 3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 10 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7

8 9 1 2 3 4 5 6 7 8 9 10 0 1 2 3 4 5 6 7 8 9 10 0 1 2 3 4 5 6 7 8 9

1. B, D
2. D
3. A
4. A, C, E

21.D

22.D 23.

A. 1234567891011.........

B. 0 1 2 3 4 5 6 7 8 9

C. 0 2 4 6 8

D. A B C D .. Z

E. - F.

h 104

i 105

j 106

k 107

l 108

m 109

n 110

o 111

p 112

q 113

r 114

s 115

t 116

u 117

v 118

w 119

x 120

y 121

z 122

{ 123

| 124

} 125

~ 126

127

G.

101 101 101 101 101 101 101 101 101 101

24.

A.. 123

B.. 23

C..3 D..4123 E..4123 F..4123

25. A, B, E, F, G, H

26. a..1

b..231

c..31

d..4

e..4

f..4

1. B
2. B, D, H
3. A, B, C, D, E, F ,H
4. A, C, D, E, F, G, I, K
5. A, B, C, D, E

class Example{

public static void main(String args[]){ int i=0;

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

System.out.println("Hello World");

}

}

}

class Example{

public static void main(String args[]){ int i=0;

while(i!=10){

System.out.println("Hello World"); i++;

}

}

}

class Example{

public static void main(String args[]){ int i=1;

while(i!=101){

System.out.println(i); i++;

}

}

}

class Example{

public static void main(String args[]){ int i=0;

while(i!=100){

System.out.println(i++); i++;

}

}

}

class Example{

public static void main(String args[]){ System.out.println(2); System.out.println(3); System.out.println(5); System.out.println(7);

int i=2; while(i<101){

double d1= i%2; double d2= i%3; double d3= i%5; double d4= i%7;

if(d1 != 0 && d2 != 0 && d3 != 0 && d4 !=0){ System.out.println(i);

} i++;

}

}

}

import java.util.Scanner; class Example{

public static void main(String args[]){ Scanner input=new Scanner(System.in);

System.out.println("if you finished inputs enter '00' "); int total=0;

for(int i=0;;i++){

System.out.print("Enter Value : "); int n=input.nextInt();

total= total+n; if(n==00){

System.out.println("total : "+total);

}

}

}

}

import java.util.Scanner; class Example{

public static void main(String args[]){ Scanner input=new Scanner(System.in);

System.out.print("Enter an Integer : "); int n=input.nextInt();

while(n != 0){

System.out.print(n % 10 +","); n=n/10;

}

}

}

41.

import java.util.\*; class Example{

public static void main(String args[]){ Scanner input=new Scanner(System.in);

System.out.print("Enter a number : "); int number=input.nextInt();

int count=0; int y=0;

for(; count<=1;){ while(number!=0){

y=number % 10; count=count+1; number=number/10;

}

System.out.println("count = "+count);

}

}

}

49.

import java.util.Scanner; class Example{

public static void main(String args[]){ Scanner input=new Scanner(System.in);

System.out.print("Enter number of Students : "); int n=input.nextInt();

int total=0;

for(int i=1; i != (n+1); i++){ System.out.print("Enter Marks "+i+": "); int marks=input.nextInt();

total=total+marks;

}

double avg=total/n; System.out.println("Total is : "+total); System.out.println("Average is :"+avg);

}

}

51 .E

1. not given
2. B
3. B 56.D
4. A, D
5. E
6. C 60.A