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BTECH CSE 6th C

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Wipro talent next Hand on assignments week 1 java fundamentals

1.

Public class a{

Public static void main (string args []) {

System.out.println (args [0] +”technologies”+args [1]);

}}

2.

Public class a{

Public static void main(String args[]){

System.out.println(“welcome”+args[0]);

}}

3.

Public class a{

Public static void main(String args[]){

Int a=Integer.parseInt(args[0]);

Int b=Integer.parseInt(args[1]);

Int c=a+b;

System.out.println(c);

}}

5.

Import java.util.scanner.\*;

Public class a{

Public static void main(String[] args){

Scanner sc=new Scanner(System.in);

System.out.println(“enter a number”);

Int x=sc.nextInt();

If(x%2==0)

System.out.println(“even”);

Else

System.out.println(“odd”);

main(args);

Sc.close();

}}

6.

Public class a{

Public static void main(string args[]){

If(args.length==0){

System.out.println(“No Values”);

}

Else{

For(int i=0;i<args.length;i++){

System.out.println(args[i]);

If(i<args.length-1)

System.out.println(“,”);

}}}}

7.

Public class a{

Public static void main(string args[]){

Char a,b;

If(a<b)

System.out.println(a+”,”+b);

Else

System.out.println(b+”,”+a);

}}

8.

public class a{

Public static void main(string args[]){

Char ch=’\*’;

If(ch>=65&&ch<=90)||(ch>=97&&ch<=122){

System.out.println(“Alphabet”);}

Else If(ch>=48&&ch<=57){

System.out.println(“Digits);}

Else{

System.out.println(“Special character”);}

}}

9.

Public class a{

Public static void main(string args[]){

Char ch=’a’;

If(character.isLowerCase(ch))

System.out.println(ch+ ”->” + Character.toUpperCase(ch));

Else

System.out.println(ch+ ”->” + Character.toLowerCase(ch));

}}

10.

Public class a{

Public static void main(string args[]){

Char color code=’q’;

Switch(color code){

Case: ’g’

System.out.println(“g->green”);

break;

Case: ‘o’

System.out.println(“o->orange”);

break;

Case:’r’

System.out.println(“r->red”);

break;

Case:’b’

System.out.println(“b->black”);

Break;

Case:’y’

System.out.println(“y->yellow”);

Break;

Case:’w’

System.out.println(“w->white”);

Break;

Default:

System.out.println(“invalid code”);

}}}

11.week2

Public class Handon assignment{

Public static void main(String[] args){

String gender=args[0];

Int age=Integer.parseInt(args[1]);

If(!gender.equals(“Female”) && !gender.equals(“Male”))System.out.println(“Invalid gender”);

If(age<=1|| age>=100) System.out.println(“Invalid age”);

If(gender.equals(“Female”) &&(age>=1 && age<=58)) System.out.println(“Interest==8.2%”);

Else If(gender.equals(“Female”) &&(age>=59 && age<=100))System.out.println(“Interest==9.2%”);

Else If(gender.equals(“Male”)&&(age>=1 && age<=58)) System.out.println(“Interest==8.4%”);

Else If(gender.equals(“Male”)&&(age>=59 &&age<=100))System.out.println(“Interest ==10.5%”);

}}

12.

Write a program to receive a number and print the corresponding month name

Import java.time.Month.\*;

Public class Handon assignment{

Public static void main(string[] args){

Int month=Integer.parseInt(args[0]);

If(month<1 ||month>12){ System.out.println(“Invalid Month”);System.exit(0);}

If(args.length()==0) {System.out.println(“please enter the month in numbers”); System.exit(0);}

String monthstr=Month.of(month).name();

Monthstr=monthstr.substring(0,1).toUpperCase()+monthstr.substring(1).toLowercase();

System.out.println(monthstr);}}

13

Public class Handon assignment{

Public static void main(String args[]){

Int number=Integer.parseInt(args[0]);

For(int i=0;i<=10;i++){

System.out.println(i+”\t”);

System.exit(0);}}}

14.

Public class Handon assignment{

Public static void main(String[] args){

For(int i=23;i<=57;i++){

If(i%2==0) System.out.println(I+”\n”);}}}

15.

Public class Handon assignment{

Public static void main(String[] args){

Int n=Integer.parseInt(args[0]);

If(n%2==0) return false;

For(int i=3;i<=Math.sqrt(n);i+=2){

If(n%i==0) return false;}

Return true;}}

16.

Public class Handon assignment{

Public static void main(String[] args){

Int n=Integer.parseInt(args[0]);

For(int i= 10;i<=99;i++){

If (isprime(i)) System.out.println(i);}}

Public static boolean isprime(int n){

If(n<0)n\*=-1;

Boolean isprime=true;

For(int i=2;i<n/2;i++){

If(n%i==0){ isprime=false; break;}}

If(n==0||n==1) isprime=false;

Return isprime;}}

17.

Public class Handon assignment{

Public static void main(String[] args){

Int number=1234;

Int sum=0;

While(number!=0){sum+=number%10;

Number/=10;}

System.out.println(sum);}}

18.

Public class Handon assignment{

Public static void main(String[] args){

If(args.length()==0){ System.out.println(“please enter an integer number”); System.exit(0);}

Int rowcount=Integer.parseInt(args[0]);

For(int i=0;i<rowcount;i++){

For(int j=0;j<i;j++){ System.out.println(“\*”);} System.out.println();}}}

19.

Public class Handon assignment{

Public static void main(String[] args){

Scanner sc=new Scanner(System.in);

Int number=sc.nextInt();

Int result=0;

While(number!=0){

Int digit=number%10;

Result=result\*10+digit;

Number/=10;}

System.out.println(result);}}

20.

Public class handon assignment{

Public static voidmain(String[] args){

Scanner sc=new Scanner(System.in);

Int originalnumber=sc.nextInt();

//reversed function

Int reversednumber=0;

While(originalnumber!=0){

Int digit=originalnumber%10;

reversednumber=reversednumber\*10+digit;

originalnumber/=10;}

If(originalnumber==reversednumber)

System.out.println(originalnumber+”is a palindrome”);

else

System.out.println(originalnumber+”is not a palindrome”);

}}

public class Handon assignment{

Public static void main(String[] args){

Int[] array={1,2,3,4,5,6,7,8,9};

Int sum=0;

double avg=0.0;

For(int i=0;i<array.length;i++)

sum+=arr[i];

Avg=sum/array.length;

System.out.println(sum);

System.out.println(avg);}}

22.

Public class Handon assignment{

Public static void main(String[] args){

Int[] array={1,2,3,4,5,6,7,8,9};

Int min=array[0];

Int max=array[0];

For(int i=0;i<array.length;i++){

If(array[i]<min) min=array[i];

If(array[i]>max)max=array[i];

System.out.println(min);

System.out.println(max);}}

23.

Import java.util.scanner.\*;

Public class Handon assignment{

Public static void main(String[] args){  
int[] array={1,2,3,4,5,6,7,8,9};

Scanner sc=new scanner(System.in);

Int search\_ele=sc.nextInt();

For(int i=0;i<array.length;i++)

If(search\_ele==arr[i]){

Return arr[i];}

Else return -1;

}}

24.

Public class Handon assignment{

Public static void main(String[] args){

Int[] array={48,55,68,88,101,122};

For(int i=0;i<array.lenth;i++){

System.out.println(“%c”,array[i]);}}}

25.

import java.util.Arrays.\*;

Public Class Handon assignment{

Public static void main(String[] args){

Int[] array={1,2,3,4,5,6,7,8,9};

Arrays.sort(array);

System.out.println(array[0]+”and”+array[1]);

System.out.println(array[array.length-1]+”and”+array[array.length-2]);}}

26.

Import java.util.Arrays.\*;

Public class Handon assignment{

Public static void main(String[] args){

Int[] array={1,2,3,4,5,6,7,8,9};

Arrays.sort(array);

System.out.println(array[i]);}}

27.

Import jav.util.ArrayList.\*;

Import java.util.List.\*;

Import java.util.Arrays.\*;

Import java.util.reflect.Array.\*;

Public class Handon assignment{

Public static void main(String[] args){

Int[] array={1,2,3,4,5,6,7,8,9};

List<Integer>distinctArray=new ArrayList<>();

For(int i:array){

If(!distinctArray.contains(i))

distinctArray.add(i);}

System.out.println(Arrays.toString(distinctArray.toArray()));

}}

28.

Public class Handon assignment{

Public static void main(String[] args){

Int[] array={10,3,6,1,2,7,9};

Int sum=0;

Int sixpos=-1;

Int sevenpos=-1;

For(int i=0;i<array.length;i++){

If(array[i]==6)sixpos=i;

If(array[i]==7)sevenpos=i;}

If(sevenpos==-1) sixpos=-1;

For(int i=0;i<array.length;i++){

If(sixpos!=-1 && i>=sixpos && i<=sevenpos) continue;

sum+=array[i];}

System.out.printlnsum(sum);}}