MCQ(STREEM API)

*1)In java 8 API with sequence of elements which of these supports sequential & parallel aggregate operations.*

*a)Hadoop*

*b)Streams*

*c)SequenceProgramming*

*d)Big-data*

*2)Stream operation in java 8 can be decided into*

*a)Terminal types*

*b)Intermediate types*

*c)All*

*d)None*

*3)Identify the invalid Characteristics of Stream API*

*a)Not a data structure*

*b)Designed for lambdas*

*c)Support indexed access*

*d)Can easily be output as arrays or Lists*

*e)Lazy*

*f)Parallelizable*

*g)Can be unbounded*

*4)Lets consider Sita want to travel by air which involves series of operations. Few of them are intermediate operations like travelling by taxi, take ticket from ticket counter, do check-in and finally she do the boarding for the plane.In this identify the Terminal operations..?*

*a)Travelling by taxi*

*b)Taking ticket from ticket counter*

*c)do checking*

*d)all of the above*

*e)none of the above*

*5)Stream API is available in which package ?*

*a)java.io.streams*

*b)java.io.stream*

*c)java.util.streams*

*d)java.util.stream*

*6)State whether statement is true of false*

*Resource-intensive tasks can be done efficiently by using parallel stream.*

*a)true*

*b)False*

*7)Predict the output of the following Program*

*List<integger> listint=Arrays.asList(11,3,44,5,66,2,33,8,77,9,18);*

*Listing.stream().filter(num->num>20).forEach(num->System.out.println(num));*

*Output:*

*a)11,44,66,33,77,19*

*b)44,66,33,77*

*c)11,3,5,2,8,9,18*

*d)11,3,44,5,66*

*8)Which method perform intermediate operations….?*

*a)filter, map & sorted*

*b)count, min, max, reduce,& forEach*

*c)count, filter & forEach*

*d)none of the above*

*9)What do u mean by Lazy Invocation..?*

*a)Intermediate operations*

*b)Action/task that will be invoked only if it is necessary for the terminal operation execution.*

*c)none of the above*

*d)all of the above*

*10)Which are the Stream Pipeline operation parts..?*

*a) intermediate operation and terminal operation.*

*b)the source, intermediate operation and a terminal operation.*

*c)the source and a terminal operation.*

*d)none of the above*

*11)What will be output of following code -*

Program: packae javaqas.java8;

public class Calculator

Interface IntegerMath{

Int operation(int a, int b);

}

Public int operationBinary(int a, int b,IntegerMath op){

Return op.operation(a,b);

}

Public static void main(String… args){

Calculator cal=new Calculator();

IntegerMath addition=(a,b)->a+b;

IntegerMath subtraction=(a,b)->a-b;

System.out.println(“40+2=“+cal.operationBinary(40,2,addition));

System.out.println(“20-10=“+cal.operationBinary(20,10,subtraction));

}

}

Output:

a.compilation error

b.Runtime Exception

c.Compile and execute without any Exception or error

d.None

12.)What will be output of following code -

Program:

Import java.util.Random;

Public class Demo

{

Public static void main(String[] args){

Random ran=new Random();

for(int i=0;i<3;i++)

System.out.println(ran.ints(2,5,11).findFirst().getAsInt());

}

}

a.output may be 125

b.output may be 695

c.output may be 1511

d.output may be 456

MCQ(LAMBDA EXPRESSIONS)

1. Lambda expressions in java 8 are based on

a.Procedural programming

b.Functional programming

c.Data programming

d.All

2.Lambda expressions are an important addition to Java that greatly improves overall..???

a. maintainability, readability, and developer productivity.

b.maintainability & readability.

c.maintainability, readability & better functionality.

d.none of these.

3.What are types of functions available in Lambda expressions..?

a)int

b)void

c)String

d)all of the above

4.How may interface can be used by lambda expression.?

a)21

b)51

c)1

d)43

5.Which is not a functional interface of lambda expression.?

a)Retailer

b)Consumer

c)Predicate

d)Function

e)Supplier

6. Syntax:<class or instance name> :: <method name>

If a lambda expression is written only to invoke a single method by name, then such expression can be shorthanded by using method —————.

a)Function

b)predicate

c)reference

d)All of the above

7.How many types of functions are there in lambda expression.?

a)two

b)three

c)five

d)one

8)Lambda expression from BiFunction interface written below is correct or not.?

(user.pass)->{//logic to validate the user}

a)true

b)false

9)