Java question and answer:

Question:

Make a calculator:

**package** aks;

**import** java.util.Scanner;

**public** **class** prasad {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

Scanner sc = **new** Scanner(System.***in***);

**int** a;

**int** b;

System.***out***.println("enter a value of a=");

System.***out***.println("enter the value of b=");

a= sc.nextInt();

b=sc.nextInt();

System.***out***.println( "the value of addition is =");

System.***out***.println(a+b);

System.***out***.print("the value of substraction is = ");

System.***out***.print(a-b);

System.***out***.println (" the value of division =");

System.***out***.println (a/b);

System.***out***.println( "the value of multiplication is =");

System.***out***.println(a\*b);

Question 2:

Take two string a and b and print addition of two string:

**package** aks;

**import** java.util.Scanner;

**public** **class** prasadmule {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

Scanner sc = **new** Scanner(System.***in***);

String a;

String b;

System.***out***.println("enter your first name =");

a=sc.nextLine();

System.***out***.println("enter your last name=");

b=sc.nextLine();

System.***out***.println("full name "+a+b);

Question 3:

. prepare a code to check the voters eligibility. Take a variable int age. if age is greater than 18 print. "eligible" else print " not eligible".

Scanner sc = **new** Scanner(System.***in***);

**int** a;

System.***out***.println("enter your age=");

a=sc.nextInt();

**if** (a>=18)

System.***out***.println("eligible for voting");

**else** {

System.***out***.println("not eligible for voting");

}

Question 4:

Create a Java program to print your details, like name, address, phone number, blood group etc:

String name = "prasad";

System.***out***.println(name);

String adress = "katraj pune ";

System.***out***.println(adress);

**long** number = 9405941894L;

System.***out***.println(number);

**char** bloodgroup = 'b';

System.***out***.println(bloodgroup);

Question 5:

6. Create a Java program to change the value of a given variable, for example a is iniƟalzed as 10 and make it to 20.

Scanner sc = **new** Scanner(System.***in***);

**int** a;

System.***out***.println("enter a number:");

a= sc.nextInt();

System.***out***.println(a\*2);

}

Question 6 Write a Java program to print the sum of three numbers.

Code🡪

Scanner sc = **new** Scanner(System.***in***);

**int** a;

a=sc.nextInt();

System.***out***.println("enter a number of a is:");

**int** b;

b=sc.nextInt();

System.***out***.println("enter a number of b is:");

**int** c;

c=sc.nextInt();

System.***out***.println("enter a number of c is ");

System.***out***.println(a+a+a);

Question 7: Write a Java program to print square of a number.

Code🡪

**package** aks;

**import** java.util.Scanner;

**public** **class** prasadmule {

**public** **static** **void** main(String[] args)

Scanner sc = **new** Scanner(System.***in***);

**int** a;

System.***out***.print("enter a number:");

a=sc.nextInt();

System.***out***.println(a\*a);

Question 8: . Write a java program which iniƟalizes a variable name and greets with "Hello , have a good day

Code->

String str = "prasad";

String str1 = "hello , "+str+ (" have a good day");

System.***out***.print(str1);

Question 9: Try to understand what happens when type casƟng is done from char to int and int to char (Hint: Ascii Values)

Code->

Scanner sc = **new** Scanner(System.***in***);

**int** a;

System.***out***.println("enter your number:");

a=sc.nextInt();

System.***out***.println ((**char**)a);

Question 11: Try to print the length of you name and full name, and then print the difference between the characters of the first name and last name. For example: F\_name - Nilkanth L\_name - Java Output for the above should be 4.

Code->

**package** aks;

**import** java.util.Scanner;

**public** **class** prasad1 {

**public** **static** **void** main(String[] args) {

String str = "prasad";

String str1 = "nitin";

System.***out***.println(str.length());

System.***out***.println(str1.length());

System.***out***.println(str.length()-str1.length());

}

Question 12:

Code->

**package** aks;

**import** java.util.Scanner;

**public** **class** prasad1 {

**public** **static** **void** main(String[] args) {

String mystr = "ABCDEFGHIJKLMNOPQRSTUVWXYZ";

System.***out***.println(mystr.indexOf('K'));

}

Question 13: 3. Concatenate two Strings Example for two Strings:: String a= Nilkanth String b= Java OutputNilkanthJava

Code-> **package** aks;

**import** java.util.Scanner;

**public** **class** prasad1 {

**public** **static** **void** main(String[] args) {

String str = "nilkant";

String str1 = "java";

Question 14: 4. Concatenate one String and one integer. Example for one String and two integer: String a = Nilkanth int b = 6197 int c = 1234 Output: Nilkanth619712344

Code->

**package** aks;

**import** java.util.Scanner;

**public** **class** prasad1 {

**public** **static** **void** main(String[] args) {

String a= "nilkant";

**int** b = 6197;

**int** c = 1234;

System.***out***.print(a+b+c);

}

}

Question 15: 15. Print the mathemaƟcal table for 5.

Code-> **package** aks;

//import java.util.Scanner;

**public** **class** prasad3 {

**public** **static** **void** main(String Args[]) {

// **TODO** Auto-generated method stub

**int** a=5;

**for**(**int** i=1; i<=10; i++) {

System.***out***.println(a\*i);

}

}

Question 16: 16. Write a program in Java to find the first 10 natural numbers. Sample output:The natural

numbers are:1 2 3 4 5 6 7 8 9 10

Code->

**package** aks;

//import java.util.Scanner;

**public** **class** prasad3 {

**public** **static** **void** main(String Args[]) {

// **TODO** Auto-generated method stub

**for** (**int** a=1; a<=10; a++) {

System.***out***.println(a);

}

Question 17: 7. Write a program to find the factorial value of any number entered through the keyboard. (Using for and while)

Code->

**package** aks;

//import java.util.Scanner;

**public** **class** prasad3 {

**public** **static** **void** main(String Args[]) {

// **TODO** Auto-generated method stub

**int** fact=5;

**int** a=1;

**int** c=fact;

**while**(fact/c!=fact){

a=a\*c;

c--;

System.***out***.println(a);

}

}

Question 18: 8. Print first 30 even numbers and the total of them

Code->

**package** aks;

//import java.util.Scanner;

**public** **class** prasad3 {

**public** **static** **void** main(String Args[]) {

// **TODO** Auto-generated method stub

**int** a;

**int** i=0;

**for** ( a=2; a<=30; a+=2) {

System.***out***.println("even number");

System.***out***.println(a);

i=i+a;

}System.***out***.println("sum"+i);