O3. Figst Java Program.

Input/output, debugging, datat/pe.

Date Page.

the file name is main jova, the file should contain a class and name of the class is 'main'.

EX.

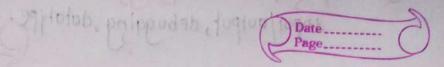
Main Java 7

closs main f

- bruz its a good proffice.
- if the name of the file is main Jova then main class in the
  - then you can use "private" if you want it access should be for all the member, so then it will be 'public'.
  - The public & private is an access speciality. Modifier.
  - Public Mean, the class can access From anywhere.
  - ode the function is block of code.
  - > Function: the collection of code you use again and again.
  - jova main function;

## Public static void main (steing age []) } }

- -> Public: if mean the class can access prom anywhere.
- class: class is main group of properties & methods.
- main ()! The main function is a entry poin of Java program
- of closs main. that only we used statio.



-> void: void is a return type of function

-> command line argument: string args EJ.

Public class Demo f

Public static void main () f

1/ This is how we can structured the Java Program.

- -> Pockage; in simple, the folder that Java File Lies!
  - → 94stem out printin: The system is a class that contain variable

    out out is a type of print stream and

    out actually has a method printin().
  - THE PUBLIC & PRIVATE IS AN OCCESSI SCHOOL OF FUGATE
  - -> scanner: which can possiprimative type
- system in 115 q standard input stream. Typically this
  stream correspondes to keyboard input:

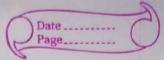
scanner input = new scanner (system in) =

→ taking input, bruz if will contain ay runction

provide by granner class.

input nextint (); l'it will gives a integer value from usez.

we away end the main tending without remaining a object close main. Inch any our used statio.

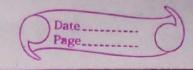


*	Primative oata type.	
3000)	integer, mad no for and boosto sond was file	
->	if you want to store roll no of studen	
A	Role to gate" int Roll = 64;" I atai you bloom so -	
+		
	" Float Pi=3.14";	
	C and it good it as	
$\rightarrow$	primative: Any data type we cannot break even rusther	
$\rightarrow$	deuble have starte potatypex9	
	String name = "Bhouj"; Flata out part	
$\rightarrow$	we can break string in any section it mean we can modify it	
Bidoi	so that's why string is not primative data type.	
	Number of the state of the stat	
7	ishaz retter sirijilar laminoh adt us manisas e	
>	Use double top large berima Number	
	double large perima  = 456708.93734;"	
->	long data type use for large integer.	
- 124	ata micela con a suit de pretagat, genta appendia	
	10ng integertype = 3456891076734;	
	(distribute) (seemes Good & August Anno 18)	
	The content for the content to the c	
10 50	estenguing ; (selfer); selfengente);	
the same of the sa	to write   assign have   faise one used boolean vota type.	
7.14	August and a supplied to the s	
coage institution "book cherk true;" : autosii e		
	the sensity and the boot hearth.	
	and a second first of the control of	
-	A LOUIS A MINISTER OF THE PARTY	

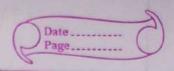
RELOCATE WHITE .

1651

Cintain I



	* 1 Primative out o 14 pe
->	if you have already hear int why use long and you have
3,10	Froat only use double.
$\rightarrow$	we would look into the maximum size of store in
	one data type. But it made of the wor the
	TORRESTOR OF THE PROPERTY OF T
	int have 4 byle
	Float have 4 byte of 3ize of svitomes
	double have 8 byte patatype.
	long also 8 by le months paist
ibord	and the contract of the section of the section of the contract
7	
	using Float & Long data type.
>	
	is "double" it you want to store that into Float
	basically we have to add "+".
-	Toking input using primative data type.
	tend data tupe use rop lands integer in set in the
g/i	Public class inputs f
	Public static void moin (string args[]) {
100	3canner input = new scanner (system.in);
	int Roll-No = input. nextInt()
	3ystem. out-print (Roll-No); it give integer input
.9	out otag postoud pass our east poston pato tu
	}
-	
	of constant and the bool, numeric.
210	eg.
	in a = (10) / 2110acs
	identitiq (Resevence walable).
HI WAR	



→ String input:

string name: input nettline ();

->. Frating sinpul. Assume pi grames compile or malarestance -

Float mark = input nextFloat();

→ 9um of 1wo number.

impost, Java util Scannet;

Public Class, sum f. bauer all land of

public static void main (string ags []) {

Scanner input = new scanner (System-in);

11 (0) (0) (0) d 0) + d 0) ydu

system-out printin ("Enly the value of alb:");

int a = input. nextant();

int b = input. next soft ();

social of bytomorg int canally involve to the 11 11

3/stem. out. printly ("Addition:"+e);

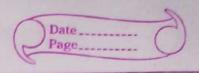
-> 14 pe casting ,

i) type should be compatiable.

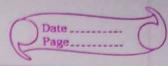
greater than source right hand side.

860 (5 × 31)

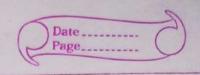
if one type of data is assign to another type of variable then automatic type conversion will take place if following condition met.



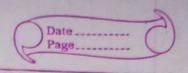
Canal page casting. How we can convert type int into float? inf num: (int) (64.569); compressing a bigger number in smarlet type explicitly could automatic type promotion in Expression, int a = 254; 17 17 17 19 donour cost 40 mos 4 byle b = (60/e) (0); 1/ 257 1.256 =1 info int! its caused type promotion. ni-partint num=2'6's; Jugai some (13040 905:0.pi(num); ninit 100 moters Java Follows unicode, ear fugate & for Rule For type pramotion! 1) All byte, short, character value are promoted to integer 2) if any one of the opened is long the whole operation premoted to long. 9.0.p (5 x 3.1); paite raquité // will convert in Float. e) anatered on left hand side (destination should greater than source right hands bide. and districts of protect of aints to save and the



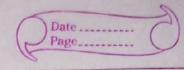
> Assignment write a program to print whether a number is even or odd. aue: 0 impost java util scanner; Public class oddeven & seamons. Hu was facilities Public static void main (string args []) } granner input = new granner (systemin); system. out printly ("Enter and number:"); int num = input nextInt(); if (num 1/2==0) g ugai - Impaire + 1 3ystem.out.printly ("Even"); felse (a) fortison. Jugai - Janit fai System.out. printin (nout"); and e interest inpotential () Total x amin x todomisa = 18 tai ( Cie + " : leskola ( signal mie \*) pilared Luciante 18 take name as input and print a greeting message for that aue: 02 particular name. impost java. util. scannet; Public class greeting f Public static void name (string age []) { 3 canner input = new scanner (system.in); system. out printly ("Enty any namber "); string name = input. Doorne nextline (); Bystem out printing (" Hello "+ name); Hall sad forced and for : erfollon . jugar - d jus \* - + most solpodo so") alfaisif too-fastele : () 1/2 m. fuel(1) . 30 to blog star



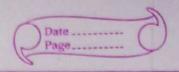
	James Assistante
010102	write a program to input principal, time and rate
aue: 03	From the user and find simple interest lugari
<b>→</b>	impost Java viil · Scanner; 2 movabbo 22012 Sidua
	public class simple interest 5
	Public static void main (string avgs (3) {
	grannet in put = new granner (syskm.in put);
	system. out printin ("Enter the value of principal:");
	int peincipal = imput; nextent ();
	system out printly ("Enter the value of time:");
	int time = input. nextint ();
	system out printly ("enter the value of Rate:");
	int rale = input. nextint();
	int 3I = principal x Time x Rate;
	system out printin ("simple interest: "+ SI);
god wa	300 32 14 Change of Mark Anthony action are Torse
	3 Thomas with the print full in the sman splusting the
aue: 04	take input of two number and operator (+ - * 1) and
	calculate the value. The pattern 20010 211009
<b>→</b>	impost fava util scannet; and his will silled
Wall Brown	Public class calculator de la logal games
	Public static void main (string arg []) {
	scanner in puls new scanner (system in);
	31stem. out. printing ("Entery the value of two number:")
	int d = input.nextint()5
	inf b = inpul. nextint();
	system.out. printin ("use operator From +, -, *,1");
	inter operator = input.next();



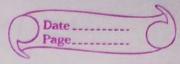
```
if ( operato == '+') {
                  inf som = a+b; and war file war frequent
                   system.out. printly ("Addition: "+ sum);
            else if (aperator=='-') { mar blow shall side!
              : (a) into sob = 9-bji Don = jugni game !
          System out printly ("Substraction:"+30b);
           felse if (operator == 1 *1) {
                   int mol= 4*b; angua = adu deula
                  System out printly ("moultiplication:"+ mul);
            e15e if (operator == 11) }
                   inf biv = a/b;
                   34stem.out-printly ("Division:"+Div);
            felse }
                  gystem-out printly ("Invalid operator");
                                Seam E. HU - DUDE HOGMI
                             Public Class Tibenachi & Mint
                 Public Static void maid (stand aras (3)
        Take 92 number as input and paint the largest number.
cue: 05
         importional utiliscannet; 3 1 (11014 -100-00018)
         public class max } 1 1 total and togai = 11 total
           Public static void main (string orgs []) for
               scanner input = new scanner (systemin);
               System. out. printin (" Enter value or 1000 number:");
               int num = input. nextint(); (0=1 +a)
               int numa = input-nextinf();
               (doodooood)
                num: >num2 ] B.o.p ("numi"is greater): sop (num2+" is great");
```



aue:06.	input cussenry in Ruppees and output in usp.
→	impost Java viil-scounner;
	public class cussency 5
	public static void main (string args []) {
	3 canner input = new igrowner (3/5/cm, 1n)
	system out printly ("Enty the value in 7. ))
	Float Rupees = input. nextfloat(); 19819
	Float USD = Rupees / 82.89 31 711
	3/15tom. out printin ("currency in"+ Rupees +"convert into uso
	1 (1 V + USD) ; 10) 1 9810 1
	} asimilar talp and this
	} ((via+"+ misivia+"), minim, out, minim,
*	the some name to the same ( Apple 19 } 9819 (1) The same
cme; od	to calculate Fibonacci series up to 17 number.
+	neo, niel nienani
	impost Java. util. scannet;
17.2 34 1	Public class fibonacci f
	Public static void main (string augs []) {
The same of	3canner input = new 3canner (system.in);
	3451cm.out. printin ("Enter length of series 1");
	inf n = input. nextint(); 2014 22012 211644
	inflatorio paiste). pion biov sitote sidua
	: intibets so gonnore and = jugai sonnore
1)	System out printing ("Entry varieties) of micenber
	int i=0; (()+a1+x3a+uqni =  mua +ai
	COROCOCOCO DE LA COMPANIO DEL COMPANIO DEL COMPANIO DE LA COMPANIO DEL COMPANIO DEL COMPANIO DE LA COMPANIO DEL COMPANIO D
	3.0.p(q+","+b+",");
J1036 91 . + Cttr	1) 90 while (90 k n: 2) { 9001 } sinual 1000



```
c=a+b;
              5.0P (C+","); . AMANDE FILL DEED JACAMINE
              a=b;
                                Public mass Asmittenn 8
              b=c; (Hapus pairis)aisea biov affata sinaa
              1++;
                                      1001 topp in
                    top (inhi = start; ix end (i++) 5
                                      To sad mon to
                                       n-muz tat
ave 08, to find whether given string is parindrome.
     > impost savg.util. scanner
        Public class paindsome found - ipib la
           public static void main (string age []){
              Scannez in put = new scanner (system.in);
              system.out.printin ("enter any string:");
              String name = input · nextLine ();
        most string Rev =" " ) oldaing too motors
              FOE (int i = name.length ()-1; 120; 1-) }
                  Rev = Rev + name, charAf(i);
              if (name.equals (Rev)){
                      3.0.p ("paind some");
              19139
                  5.0.p ("Not paind some");
```



cone : 09	to find ampteng number between two given number.
->	impost java. util. scannet;
	Public class Arms rong f
	Public static void main(string args (7))
	int gtart=100;
	int end = 1000;
	FOE (inti=start; ix=end; i+t) {
	int:number=9;
	int sum=0;
	int digitcount = string, value of (number). length();
	while (number >0) { 399000000 (110.0000) (180900) (
	int digit = number 10101309 22010 stide
	sum = sum + math pow (digit, digit count);
	(mi-promber = number 10; for a) spans
	: ( : Buists hab 20tus ) Ultuisd tho wortens
	iF (sum =)=1)13/ x101 + (uqni = 9man polista
	system.out. printin ("i + "is an arm strong.");
	Rev - Pev + hame.chosh(i);
	}
1	} ( (van) equals (vev) }
	S. a. p ( parind some ) ]
	1989 £ 9319 £
	S.o.p ("Not poind some"); see a see