**[ 2CEIT5PE5: MOBILE APPLICATION DEVELOPMENT]**

Practical: 1



**AIM- Android Studio, IntelliJ IDEA & Github integration in IntelliJ IDEA**

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**1.Store & Display values in different variable of different type (Integer, Double, Float, Long, Short, Byte, Char, Boolean, String)**

* **Code:**

fun main(){

var n1:Int=22

var n2:Float=1.5f

var n3:Char='P'

var n4:String="Hello"

var n5:Boolean=false

var n6:Double=95.22

var n7:Long=444454489

var n8:Short=-8

var n9:Byte=127

println(n1);

println(n2);

println(n3);

println(n4);

println(n5);

println(n6);

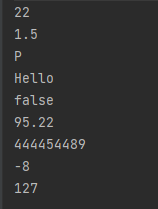
println(n7);

println(n8);

println(n9);

}

* **Output:**



**2.Type conversion:**

**Integer to Double, String to Integer, String to Double.**

* **Code:**

fun main()

{

var a1=10

var a2=a1.toDouble()

println("Double value:"+a2)

var a3="10"

var a4=a3.toInt()

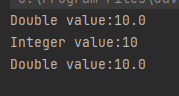
println("Integer value:"+a4)

var a5=a3.toDouble()

println("Double value:"+a5)

}

* **Output:**



### **3.**Scan**student’s information and display all the data.**

### **4.Find the number is odd or even by using**Control Flow **inside println() method.**

### **5.Display month name using When**

### **6. By using a user defined function perform all arithmetic operations.**

### **7.Find the factorial of number by recursion. Explain "**tailrec**" keyword.**

### **8.Create different types of Array as shown in image. Explore Arrays.deepToString(), contentDeepToString() methods, IntArray variable .joinToString()  and use in program to print Array. Explore range, downTo, until etc. for loop and use in this program.**Sort **Array of Integer data type without using inbuilt function & with using inbuilt function 9.Find the max number from ArrayList.**

**10. Write Different types of Class & Constructor. Create a class Car and set various members like type, model, price, owner, milesDrive. add the function getCarPrice in it. Create an object of Car class and access property of it. (getCarInformation(), getOriginalCarPrice(), getCurrentCarPrice(), displayCarInfo() etc.)**

### **11. Write about Operator Overloading. Perform Matrix Addition, Subtraction & Multiplication using Class Matrix & operator overloading. Overload toString() function in Matrix class.**