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| A picture containing drawing, stop, room  Description automatically generated | Mobile Programming  Practical #3 | | |
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| **Name** | Sahil Shah | **Roll Number** | 21302C0022 |
| **Subject/Course:** | Mobile Programming | | |
| **Topic** | Functions | | |
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| Non – parameterized functions | | | |
| 1. Creating and using non – parameterized functions | | | |
| *<?*xml version="1.0" encoding="utf-8"*?>* *<*androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"  xmlns:app="http://schemas.android.com/apk/res-auto"  xmlns:tools="http://schemas.android.com/tools"  android:layout\_width="match\_parent"  android:layout\_height="match\_parent"  tools:context=".MainActivity">   <TextView  android:id="@+id/textView"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:text="TextView"  android:visibility="visible"  tools:layout\_editor\_absoluteX="146dp"  tools:layout\_editor\_absoluteY="241dp"  tools:visibility="visible" />   <Button  android:id="@+id/button"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:text="Button"  tools:layout\_editor\_absoluteX="140dp"  tools:layout\_editor\_absoluteY="537dp" />  </androidx.constraintlayout.widget.ConstraintLayout>  **KOTLIN FILE :**  package com.example.prac3  import android.content.Context import android.os.BatteryManager import androidx.appcompat.app.AppCompatActivity import android.os.Bundle import android.widget.Button import android.widget.TextView import android.widget.Toast  class MainActivity : AppCompatActivity() {  override fun onCreate(savedInstanceState: Bundle?) {  super.onCreate(savedInstanceState)  setContentView(R.*layout*.*activity\_main*)  }   override fun onBackPressed() {  Toast.makeText(this@MainActivity,"you have clicked on the back button",Toast.*LENGTH\_LONG*).show()  } } | | | |
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| Parameterized functions |
| 1. Creating and using parameterized functions |
| *<?*xml version="1.0" encoding="utf-8"*?>* *<*androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"  xmlns:app="http://schemas.android.com/apk/res-auto"  xmlns:tools="http://schemas.android.com/tools"  android:layout\_width="match\_parent"  android:layout\_height="match\_parent"  tools:context=".MainActivity">   <TextView  android:id="@+id/textview1"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:text="Hello World!"  app:layout\_constraintBottom\_toBottomOf="parent"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toTopOf="parent" />   <Button  android:id="@+id/button1"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:text="Click"  tools:layout\_editor\_absoluteX="48dp"  tools:layout\_editor\_absoluteY="540dp" />   <Button  android:id="@+id/button2"  android:layout\_width="wrap\_content"  android:layout\_height="wrap\_content"  android:text="Birthday"  tools:layout\_editor\_absoluteX="250dp"  tools:layout\_editor\_absoluteY="540dp" />  </androidx.constraintlayout.widget.ConstraintLayout>  Kotlin file  package com.example.myapplication  import androidx.appcompat.app.AppCompatActivity import android.os.Bundle import android.widget.Button import android.widget.TextView import android.widget.Toast  class MainActivity : AppCompatActivity() {  override fun onCreate(savedInstanceState: Bundle?) {  super.onCreate(savedInstanceState)  setContentView(R.layout.*activity\_main*)   val t1=findViewById<TextView>(R.id.*textview1*) as TextView  val b1=findViewById<Button>(R.id.*button1*) as Button  val b2=findViewById<Button>(R.id.*button2*) as Button   b1?.setOnClickListener**{** firstfunc()  **}** b2?.setOnClickListener **{** secondfunc("donkey",100)  **}**  }  fun firstfunc(){  val tv=findViewById<TextView>(R.id.*textview1*) as TextView  tv.*text*="OoooooooooooO"  }  fun secondfunc(name:String,age:Int):String{  val nameg="Ahhhhhhhhhhh,$name!!!!"  val agen="You are a $age years old!!!"  return "$nameg\n$agen"  }   } |