Ex.No.:01

SETTING UP ANDROID PLATFORM, ANDROID VIRTUAL DEVICE AND CREATE APPLICATION TO DISPLAY WELCOME MESSAGE

AIM:

To set up Android Platform, Android Virtual Device and to createapplication to display welcome message

PROCEDURE:

Step 1: Select \rightarrow File \rightarrow New \rightarrow New Project

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Ru		New				•	New	Project				
oject	🗁 Open						Import Project					
	ビ Profile or Debug APK						Project from Version Control					
P.		Open <u>R</u> ecent Close Project				►	New					
							Import Module					
source Manager		Close All Projects					Import Sample					
		Close Other Projects					 Java Class Kotlin Class/File 					
		Add C++ to Module										
	۶	Se <u>t</u> ting	s		Ct	rl+Alt+S	s C++	Class				
* Re	i.	Project	Structu	ire (Ctrl+Alt	+Shift+S	🚛 C/C+	+ Source	e File			
		File Properties					G/C++ Header File					
		Local <u>H</u> istory					Android Resource File					
		Save All Ctrl+5				Ctrl+S	Android Resource Directory					
	R	Sync Project with Gradle Files					Sample Data Directory					
	G	Reload	All from	n Disk	Ct	rl+Alt+Y	🗑 File					
		Invalida	ate Cac	hes			🖆 Scrat	ch File	Ct	trl+Alt+	Shift+l	nsert
		Manag	e IDE Se	ettings		►	Pack	age				
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Step 2: Select Empty activity and click Next button



Step 3 : Type your activity name and click Finish button

F			
Empty Activity			
Creates a new e	npty activity		
Name	Ex 1 Welcome message		
Package name	com.example.ex1welcomemessage		
Save location	C:\Users\CSE\AndroidStudioProjects\Ex1Welcomemessage		F
Language	Java		
Minimum SDK	API 29: Android 10.0 (Q)		•
	 Your app will run on approximately 62.8% of devices. Help me choose Use legacy android.support libraries ③ Using legacy android.support libraries will prevent you from using the latest Play Services and Jetpack libraries 		

Step 4: You will give this screen i.e MainActivity.java tab and activity_main.xml tab





Step 5: Go to main_activity.xml tab and click code icon (right top corner)

Step 6: You will get the following screen. Change the "Hello World!" text with own welcome message. (Like "Welcome to VCET – CSE Department – MAD Lab!!!")



(Before updation)



(After updation)





<u>B</u> uild	R <u>u</u>	n <u>T</u> ools VC <u>S</u> <u>W</u> indow <u>H</u> elp Ex 1 Welcome message - ac	tivity_main.xml	[Ex_1_Welcome_message.app]
activ	►	R <u>u</u> n 'app'	Shift+F10	
C	¢	Apply Changes and Restart Activity (disabled: app not detected)	Ctrl+F10	
G	- 5	Apply Code Changes (disabled: app not detected)	Ctrl+Alt+F10	
	ĕ	<u>D</u> ebug 'app'	Shift+F9	
	G	Run 'app' with Co <u>v</u> erage		-8"?>
	(7)	Profile 'app'		.ConstraintLayout xmlns:andro
	►	Run	Alt+Shift+F10	roid.com/apk/res-auto"
est)	ĕ	Debug	Alt+Shift+F9	ndroid.com/tools"
,	7 1	Profile		arent"
	•	Record Espresso Test		parent"
	Ť,	Attach to Process	Ctrl+Alt+F5	>
		Edit Configu <u>r</u> ations		
		Select Device	Alt+Shift+F11	
		Stop	Ctrl+F2	p_content"
		Stop Background Processes	Ctrl+Shift+F2	ap_content"
		Show Running List		VCET - CSE Department - MAD L
		Debugging Actions	►	om_toBottomOf="parent"
		Toggle Breakpoint	►	_toLeftOf="parent"
	•	View Breakpoints	Ctrl+Shift+F8	t_toRightOf="parent"
	(Test History	►	toTopOf="parent" />
	Ľ	Import Tests from File		
		Show Co <u>v</u> erage Data	Ctrl+Alt+F6	t.ConstraintLayout>
	Ť,	Attach Debugger to Android Process		

OUTPUT:



RESULT:

Thus the implementation of Android Application to display the welcome message has been executed and verified successfully.