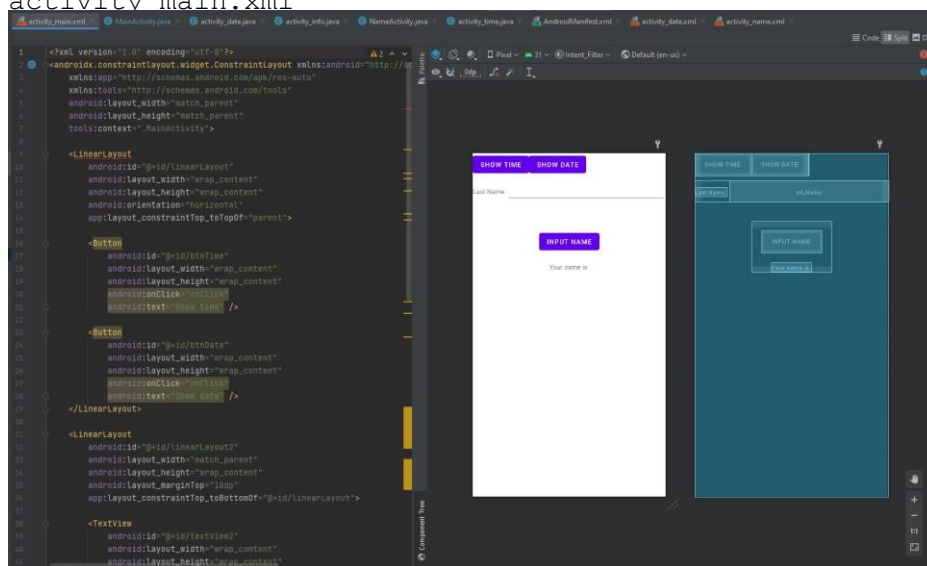
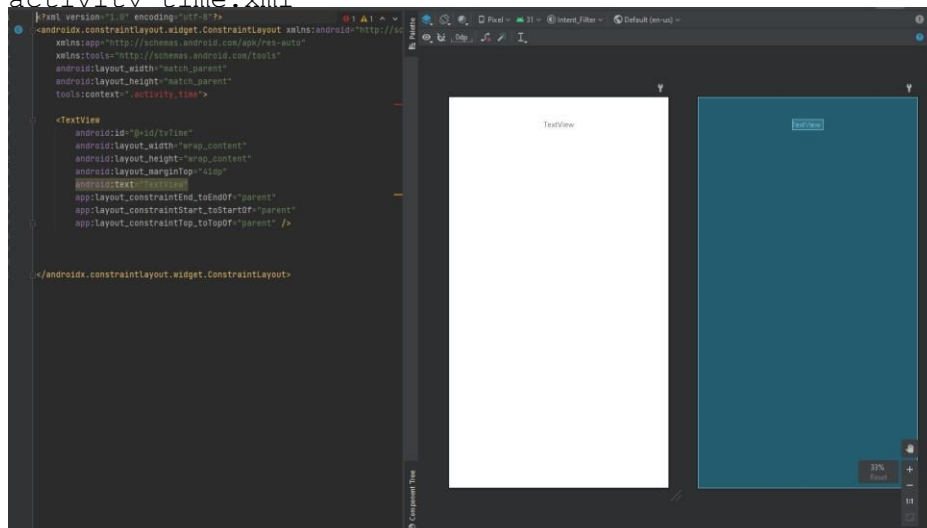


Guess_number
layout:

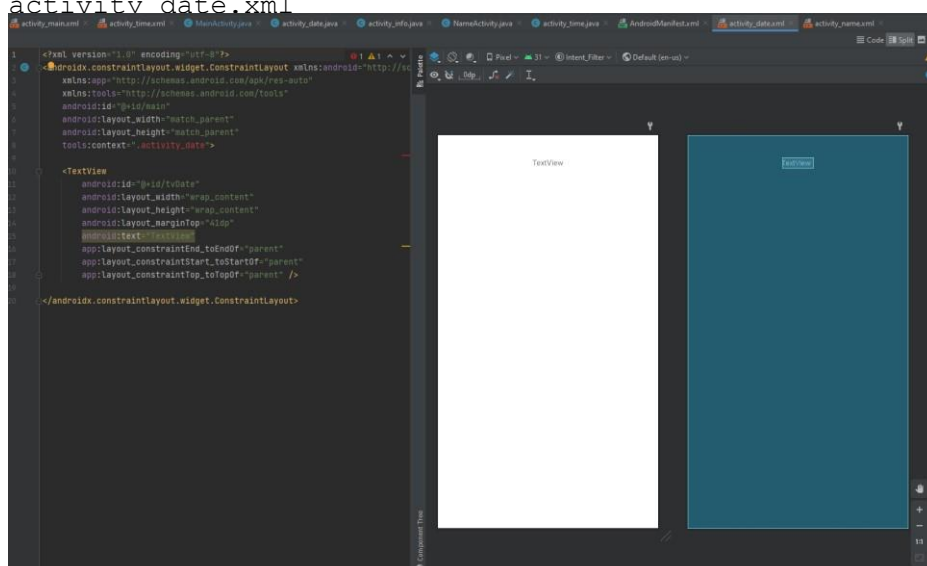
activity_main.xml



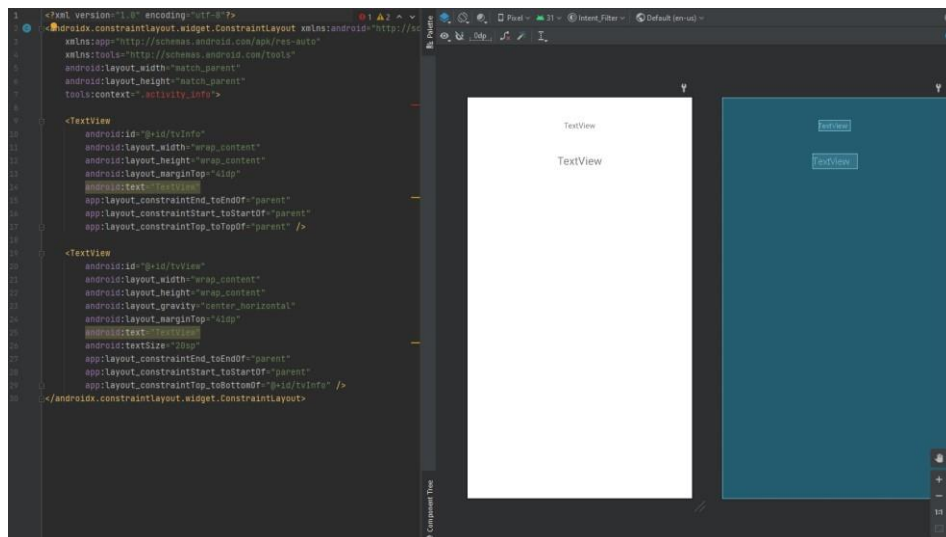
activity_time.xml



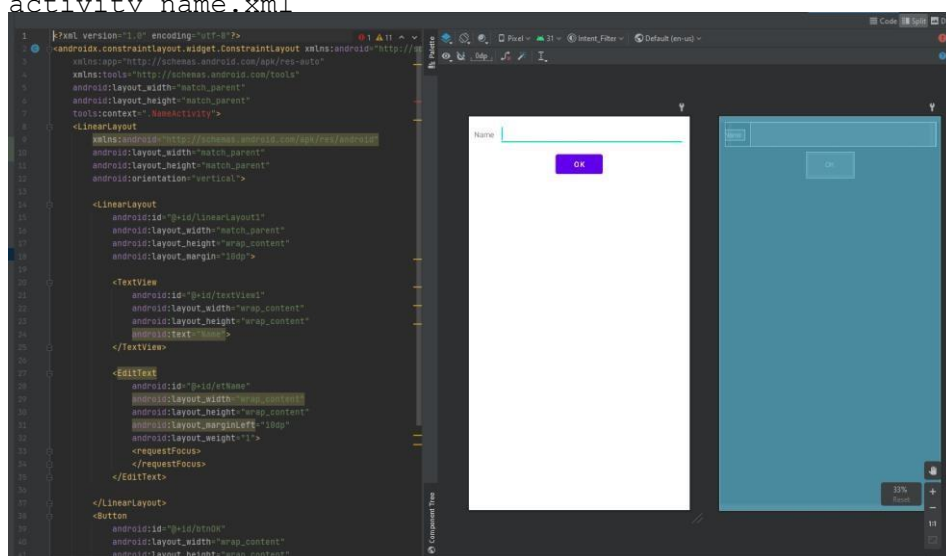
activity_date.xml



activity_info.xml



activity_name.xml



Код программы:

```

activity_main.xml x MainActivity.java x AndroidManifest.xml x
1 package com.example.intent_filter;
2
3 import ...
10
11 public class MainActivity extends AppCompatActivity {
12     TextView tvName;
13     @Override
14     protected void onCreate(Bundle savedInstanceState) {
15         super.onCreate(savedInstanceState);
16         setContentView(R.layout.activity_main);
17         tvName = findViewById(R.id.tvName);
18     }
19     @
20     public void onClick(View v) {
21         Intent intent;
22         EditText etLName = (EditText) findViewById(R.id.etLName);
23         switch(v.getId()) {
24             case R.id.btnTime:
25                 intent = new Intent( action: "com.example.intent.action.showtime");
26                 intent.putExtra( name: "lname", etLName.getText().toString());
27                 startActivity(intent);
28                 break;
29             case R.id.btnDate:
30                 intent = new Intent( action: "com.example.intent.action.showdate");
31                 intent.putExtra( name: "lname", etLName.getText().toString());
32                 startActivity(intent);
33                 break;
34             case (R.id.btnName):
35                 intent = new Intent( packageContext: this, NameActivity.class);
36                 startActivityForResult(intent, requestCode: 1);
37                 break;
38         }
39     }
40     @SuppressWarnings("MissingSuperCall")
41     @Override
42     protected void onActivityResult(int requestCode, int resultCode, Intent data) {
43         if (data == null) {return;}
44         String name = data.getStringExtra( name: "name");
45         tvName.setText("Your name is " + name);
46     }
}

activity_main.xml x MainActivity.java x activity_date.java x activity_time.java x AndroidManifest.xml x
1 package com.example.intent_filter;
2
3 import ...
12
13 public class activity_time extends AppCompatActivity {
14
15     @RequiresApi(api = Build.VERSION_CODES.M)
16     @Override
17     protected void onCreate(Bundle savedInstanceState) {
18         super.onCreate(savedInstanceState);
19         setContentView(R.layout.activity_time);
20         SimpleDateFormat sdf = new SimpleDateFormat( pattern: "HH:mm:ss");
21         String time = sdf.format(new Date(System.currentTimeMillis()));
22         TextView tvTime = (TextView) findViewById(R.id.tvTime);
23         tvTime.setText(time);
24     }
25 }

```

```

activity_main.xml x MainActivity.java x activity_date.java x activity_time.java x AndroidManifest.xml
1 package com.example.intent_filter;
2
3 import ...
12
13 public class activity_date extends AppCompatActivity {
14
15     @RequiresApi(api = Build.VERSION_CODES.N)
16     @Override
17     protected void onCreate(Bundle savedInstanceState) {
18         super.onCreate(savedInstanceState);
19         setContentView(R.layout.activity_date);
20         SimpleDateFormat sdf = new SimpleDateFormat("dd.MM.yyyy");
21         String time = sdf.format(new Date(System.currentTimeMillis()));
22
23         TextView tvDate = (TextView) findViewById(R.id.tvDate);
24         tvDate.setText(time);
25     }
26
27 }

```

```

activity_main.xml x MainActivity.java x activity_date.java x activity_info.java x activity_time.java
1 package com.example.intent_filter;
2
3 import ...
13
14 public class activity_info extends AppCompatActivity {
15     @RequiresApi(api = Build.VERSION_CODES.N)
16     @Override
17     protected void onCreate(Bundle savedInstanceState) {
18         super.onCreate(savedInstanceState);
19         setContentView(R.layout.activity_info);
20         TextView tvView = findViewById(R.id.tvView);
21         // получаем Intent, который вызвал это Activity
22         Intent intent = getIntent();
23         // читаем из него action
24         String action = intent.getAction();
25
26         String format = "", textInfo = "";
27
28         // в зависимости от action заполняем переменные
29         if (action.equals("com.example.intent.action.showtime")) {
30             format = "HH:mm:ss";
31             textInfo = "Time: ";
32         }
33         else if (action.equals("com.example.intent.action.showdate")) {
34             format = "dd.MM.yyyy";
35             textInfo = "Date: ";
36         }
37
38         // в зависимости от содержимого переменной format
39         // получаем дату или время в переменную datetime
40         SimpleDateFormat sdf = new SimpleDateFormat(format);
41         String datetime = sdf.format(new Date(System.currentTimeMillis()));
42
43         TextView tvDate = (TextView) findViewById(R.id.tvInfo);
44         tvDate.setText(textInfo + datetime);
45
46         String lName = intent.getStringExtra("lname");
47         tvView.setText("Your name is: " + lName);
48     }
49 }

```

```
activity_main.xml x MainActivity.java x activity_date.java x activity_info.java x NameActivity.java
1 package com.example.intent_filter;
2
3 import ...
4
5
6
7
8
9
10 public class NameActivity extends AppCompatActivity {
11
12     @Override
13     protected void onCreate(Bundle savedInstanceState) {
14         super.onCreate(savedInstanceState);
15         setContentView(R.layout.activity_name);
16     }
17
18     public void onClick(View v) {
19         EditText etName = (EditText) findViewById(R.id.etName);
20         Intent intent = new Intent();
21         intent.putExtra("name", etName.getText().toString());
22         setResult(RESULT_OK, intent);
23         finish();
24     }
25
26 }
```

Работа программы:

Intent_Filter

SHOW TIME SHOW DATE

Last Name

INPUT NAME

Your name is



Complete action using Info

JUST ONCE ALWAYS

Use a different app



Time basic

Data

03.12.2021

Time basic

09:47:00

Intent_Filter

SHOW TIME SHOW DATE

Last Name

INPUT NAME

Your name is

nil nik Nick

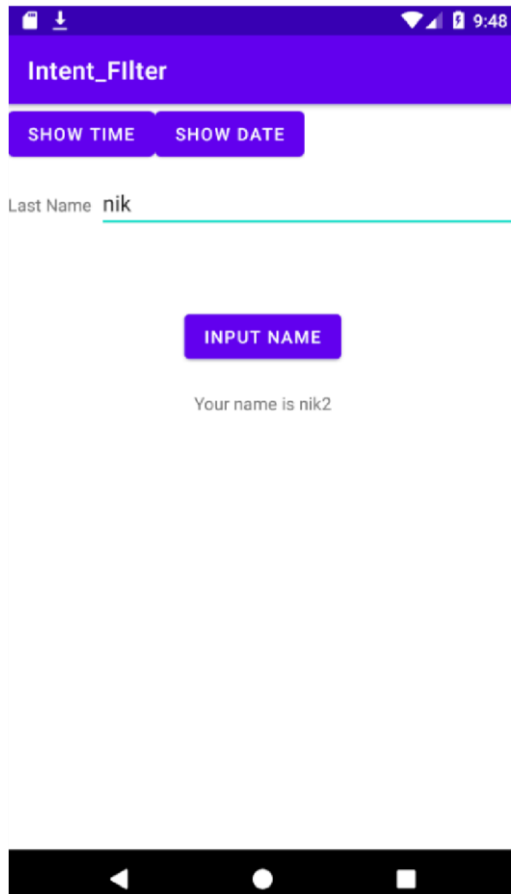
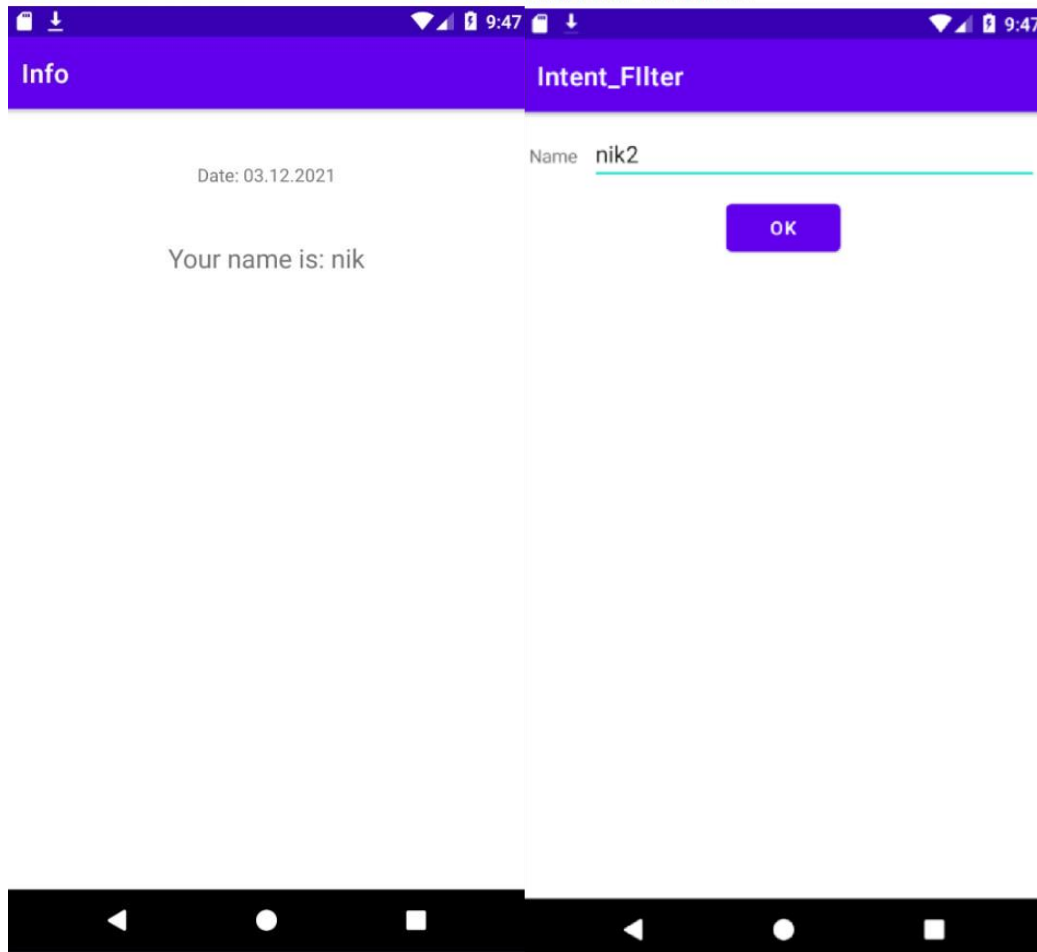
1 2 3 4 5 6 7 8 9 0

q w e r t y u i o p

a s d f g h j k l

↑ z x c v b n m ↵

?123 , . ↵



Контрольные вопросы

2. Для передачи информации по неявному вызову необходимо указать для активности фильтр намерений в котором задать вызов на который откликнется активность, а также при создании интента добавить к нему доп. поде(я) в информацией
3. action, data, category
4. category - Использует атрибут android:name, чтобы указать, при каких обстоятельствах должно обслуживаться действие.

Виды категорий:

- * ALTERNATIVE
 - * SELECTED_ALTERNATIVE
 - * BROWSABLE
 - * DEFAULT
 - * GADGET
 - * HOME
 - * LAUNCHER
5. Элемент requestFocus (раздел Advanced) позволяет установить фокус на нужном компоненте.