

# How to Decompile Android Applications

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- 1- Download “dex2jar”
- 2- Unzip it and open unzipped directory in cmd

lib	4/4/2018 11:48 AM	File folder
d2j_invoke.bat	10/27/2014 5:32 PM	Windows Batch File
d2j_invoke.sh	10/27/2014 5:32 PM	Shell Script
d2j-baksmali.bat	10/27/2014 5:32 PM	Windows Batch File
d2j-baksmali.sh	10/27/2014 5:32 PM	Shell Script
d2j-dex2jar.bat	10/27/2014 5:32 PM	Windows Batch File
d2j-dex2jar.sh	10/27/2014 5:32 PM	Shell Script
d2j-dex2smali.bat	10/27/2014 5:32 PM	Windows Batch File
d2j-dex2smali.sh	10/27/2014 5:32 PM	Shell Script
d2j-dex-recompute-checksum.bat	10/27/2014 5:32 PM	Windows Batch File
d2j-dex-recompute-checksum.sh	10/27/2014 5:32 PM	Shell Script
d2j-jar2dex.bat	10/27/2014 5:32 PM	Windows Batch File
d2j-jar2dex.sh	10/27/2014 5:32 PM	Shell Script
d2j-jar2jasmin.bat	10/27/2014 5:32 PM	Windows Batch File
d2j-jar2jasmin.sh	10/27/2014 5:32 PM	Shell Script

- 3- Download Winrar or 7Zip
- 4- Unzip your apk with winrar or 7zip

assets	4/4/2018 10:55 AM	File folder	
fabric	4/4/2018 10:55 AM	File folder	
jsr305_annotations	4/4/2018 10:55 AM	File folder	
META-INF	4/4/2018 10:55 AM	File folder	
okhttp3	4/4/2018 10:55 AM	File folder	
res	4/4/2018 10:55 AM	File folder	
AndroidManifest.xml	3/25/2018 9:10 AM	XML Document	15 KB
build-data.properties	4/4/2018 10:55 AM	Properties Source ...	1 KB
builddef.lst	4/4/2018 10:55 AM	MASM Listing	42 KB
classes.dex	4/4/2018 10:55 AM	DEX File	11,078 KB
classes2.dex	4/4/2018 10:55 AM	DEX File	1,168 KB
isoparser-default.properties	4/4/2018 10:55 AM	Properties Source ...	14 KB
resources.arsc	4/4/2018 10:55 AM	ARSC File	2,516 KB
version.txt	4/4/2018 10:55 AM	Text Document	1 KB

- 5- Find and copy classes.dex from unzipped apk to dex2jar directory
- 6- Run this command

```
d2j-dex2jar.bat classes.dex
```

- 7- Download “jd-gui-windows” and run it
- 8- Open jar file from step 6 output into jd-gui

```
ChatMessagePresenter.class 33
{
    extends TelegramAbstractPresenter<ChatMessageObject, ViewHolder>
    {
        private final int cellPadding;
        public boolean isGroup = false;
        private UIChatReply uiChatReply = new UIChatReply();

        public ChatMessagePresenter(Context paramContext)
        {
            super(paramContext);
            this.cellPadding = DimensionHelper.dpToPx(paramContext, 8.0F);
        }

        public void onBindViewHolder(ViewHolder paramViewHolder, ChatMessageObject paramChatMessageObject)
        {
            super.onBindViewViewHolder(paramViewHolder, paramChatMessageObject);
            if (this.isGroup)
            {
                paramViewHolder.avatarImageView.setVisibility(0);
                GlideHelper.loadCircle(this.context, paramViewHolder.avatarImageView, paramChatMessageObject.getAvatarImageUri(), 2131231476);
                if (!paramChatMessageObject.getMessageText().equals("")) {
                    break label1283;
                }
            }
            paramViewHolder.messageTextView.setVisibility(0);
            label1299:
            paramViewHolder.dateTextView.setText(NumberUtils.toPersian(paramChatMessageObject.getDateString()));
            if (!paramChatMessageObject.isSenderMe()) {
                break label1305;
            }
            paramViewHolder.itemView.setLayoutDirection(0);
            paramViewHolder.imageViewMessageBox.setBackgroundResource(2131231541);
            paramViewHolder.messageTextView.setTextColor(this.context.getResources().getColor(2131100307));
            paramViewHolder.dateTextView.setTextColor(this.context.getResources().getColor(2131100307));
            paramViewHolder.imageViewDeliveryStatus.setVisibility(0);
            paramViewHolder.imageViewDeliveryStatus.setImageResource(paramChatMessageObject.getDeliveryStatusResource());
            label1341:
            if (!paramChatMessageObject.isShowViews) {
                break label1371;
            }
            paramViewHolder.viewCountTextView.setVisibility(0);
            paramViewHolder.viewCountTextView.setText(NumberUtils.toPersian((int)(Math.random() * 1000.0D + 10.0D) + ""));
            label1289:
            if (!paramChatMessageObject.presenterIsSelected) {
                break label1302;
            }
            paramViewHolder.itemView.setBackgroundColor(this.context.getResources().getColor(2131100251));
        }
        for (;;)
        {
            ;
        }
    }
}
```