

ENGLISH FOR IT

#2 Software Life Cycle



Анастасія

Викладач Englishdom

Сертифікати: TOEFL

Досвід викладання - 5 років

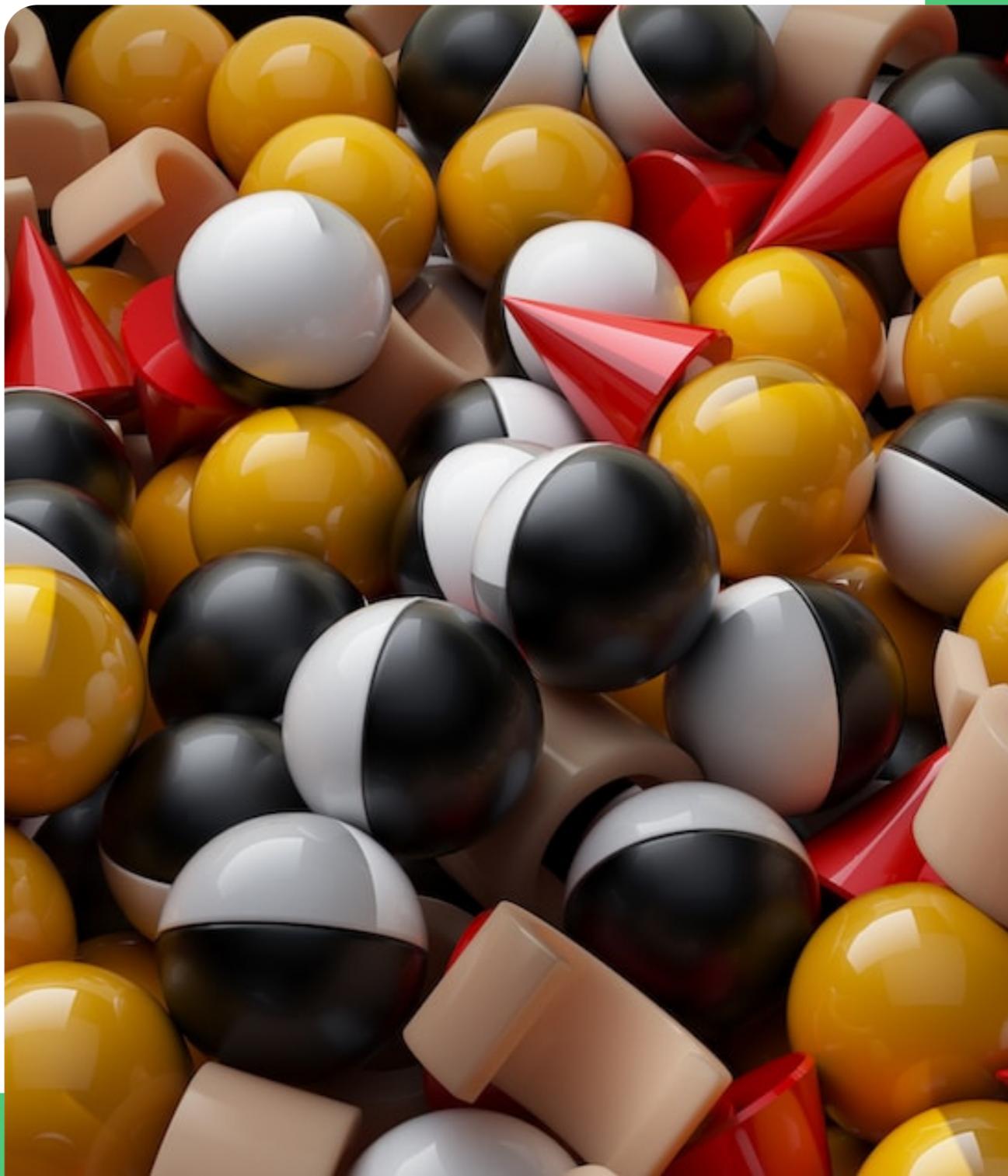
[ju:] Hi [hʌɪ] how [haʊ] are

Структура заняття

- 1 Warm-up**
- 2 Vocabulary**
- 3 Get to know**

- What is software development
- Word formation. Suffixes.
- Word formation. Prefixes.

- 4 Game**
- 5 Useful links**



Warm up



Read the following joke:

I would like to make the world a better place... but they won't give me the source code.

Does it sometimes seem to you that the Universe has its own code?

What three things would you change in the world if you had such an opportunity?

Vocabulary

Agile – a set of methodologies and practices in software development centered around iterative development where the main focus is on producing working software, getting feedback on it and using that feedback

Accomplish – to finish something successfully or to achieve something

API – Application Programming Interface, a way for two pieces of software to communicate



We have to be very **agile** intellectually.



To **accomplish** its mission Big Green needs two things: money and power.



All of this data you're going to store in a REST **API** that you've built in the cloud.

Vocabulary

Backdoor – a feature or defect of a computer system that allows unauthorized users to get around security measures and gain access to data

Bug fixing (debugging) – is the elimination of software errors

Core activity – are the tasks employees must complete in order for a business to operate successfully



The **core activity** in my lab is studying the cell.



And somehow I get shuffled in a **backdoor** into the Google party.



When you get into **bug fixing** phase, a lot of the time animators will be like oh, I want to, like this is the animation that we should be polishing, but instead I'm polishing this animation because this is reported as a **bug**.

Vocabulary

Deliverable – something that must be completed or provided as part of a project

Deployment – is the mechanism through which applications, modules, updates, and patches are delivered from developers to users

Eliminate – is a logical method to identify an entity of interest among several ones by excluding all other entities



The **deployment** of technologies to address this challenge.



So the **deliverable** coincides with the time that's scheduled because what gets scheduled gets done.



It's hard to promise to **eliminate** a deficit.

Vocabulary

Framework (software framework) – is a platform that provides a foundation for developing software applications

Increment – one of a series of increases

Source code – is the fundamental component of a computer program that is created by a programmer



I think we need a clear **framework** for asking questions about the future.



The longer and harder you have to work to get the next **increment** of performance improvement.



It's a program that converts my **source code** into, so object **code**.

Get to know

What is software development

Software development is the process of:

- concept development
- requirements analysis
- designing
- programming
- testing
- deployment
- maintenance

involved in creating and maintaining applications, frameworks, or other software components.

Get to know



Our team used to work on concept development all together in the past.



Patrick was studying system requirement specification for 2 hours yesterday.



You didn't use to re-engineering before, something serious must have happened.

Get to know

Word formation. Suffixes.

Nouns

-er / -or – the doer of the action.

Driver, writer, director

-ian / ion – condition or action.

Canadian, Malaysian, complication, creation

-al – result. *Arrival, burial, deferral*

-ness / -ity – derived from an adjective. *Happiness, kindness, usefulness; brutality, equality, cruelty*

Adjectives and Adverbs

-ish / -ly / -ous – adjectives. *British, childish; daily, monthly, yearly; daily, monthly, yearly*

-ly – adverbs derived from adjectives. *Calmly, easily, quickly*

-less / -full – lack of something. *Homeless, hopeless, useless; forgetful, helpful, useful*

-able / -ible – derived from a verb. *Drinkable, portable, flexible*

In most cases you will have to remember what prefixes and suffixes are used with different words

Get to know



The interpreter reported no errors, but the script does not generate a valid object.



Linux Kernel and Common Code are used without any modification and the Linux system structure remains untouched.



Guidance and support will be provided throughout the software life cycle, including concept development, design and appraisal, implementation and monitoring, and closure and evaluation.

Get to know

Word formation. Prefixes.

anti-: *Antioxidant, Antipathy, Antivirus, Antibiotic*

macro-: *macrosystem, macroanalysis, Macrocosm, Macrolanguage*

micro-: *microphone, microscope, microorganism*

mis-: *misspell, mistrust, mismatch, misunderstand*

um, in, im, ir-: *unable, inaccurate, impossible, irregular*

re-: *revise, replay, re-edit*

against

big

small

wrong

negation

again or backward

In most cases you will have to remember what prefixes and suffixes are used with different words

Get to know



Among the many branches of economics two of the best known areas are the study of Macroeconomics and Microeconomics.



There's a misprint on the cover of one of the new issues.



Here you can rename everything you want.

Game



Count the number of used Suffixes and Prefixes

Here are some advises from everyday life in business and innovative creativity presented by Elon Musk.

A lot of the things I do as a software developer I do because someone told me it is “best practice.” So I follow it but I don’t really think could it be incorrect or imperfect. As my experience and skill level have grown, I’ve begun to see useless pieces of advice and feel the wisdom in many of the programming principles I’ve learned. You need to really ask whether the principle you read on some blog or a requirement you got is really applicable. If you blindly with misunderstanding follow something, then you can’t do any better.

“Let’s add this part or process step in case we need it.” This is the point that really got me thinking about. In one of my web server APIs I had a microtarget, so I wrote some code to handle caching on the client side. It all worked very well in my imagination when I was building the server. To avoid misunderstanding I ended up publishing the app without the client-side caching. Not having it there would definitely simplify the system. If I need it in the future I can always add it back in. As a reward my client was satisfied.

Game



Correct answers

Here are some advises from everyday life in **business** and innovative **creativity** presented by Elon Musk.

A lot of the things I do as a software developer I do because someone told me it is “best practice.” So I follow it but I don’t **really** think could it be **incorrect** or **imperfect**. As my experience and skill level have grown, I’ve begun to see **useless** pieces of advic and feel the wisdom in many of the programming principles I’ve learned. You need to **really** ask whether the principle you read on some blog or a requirement you got is **really applicable**. If you blindly with **misunderstanding** follow something, then you can’t do any better.

“Let’s add this part or process step in case we need it.” This is the point that **really** got me thinking about. In one of my web server APIs I had a **microtarget**, so I wrote some code to handle caching on the client side. It all worked very well in my **imagination** when I was building the server. To avoid **misunderstanding** I ended up publishing the app without the client-side caching. Not having it there would **definitely** simplify the system. If I need it in the future I can always add it back in. As a **reward** my client was satisfied.

Game

New words are continually being created in Telecoms and IT. Often these words are made up of two parts. Match the openings down-, e-, tele-, cyber- with the correct endings below. See the examples.

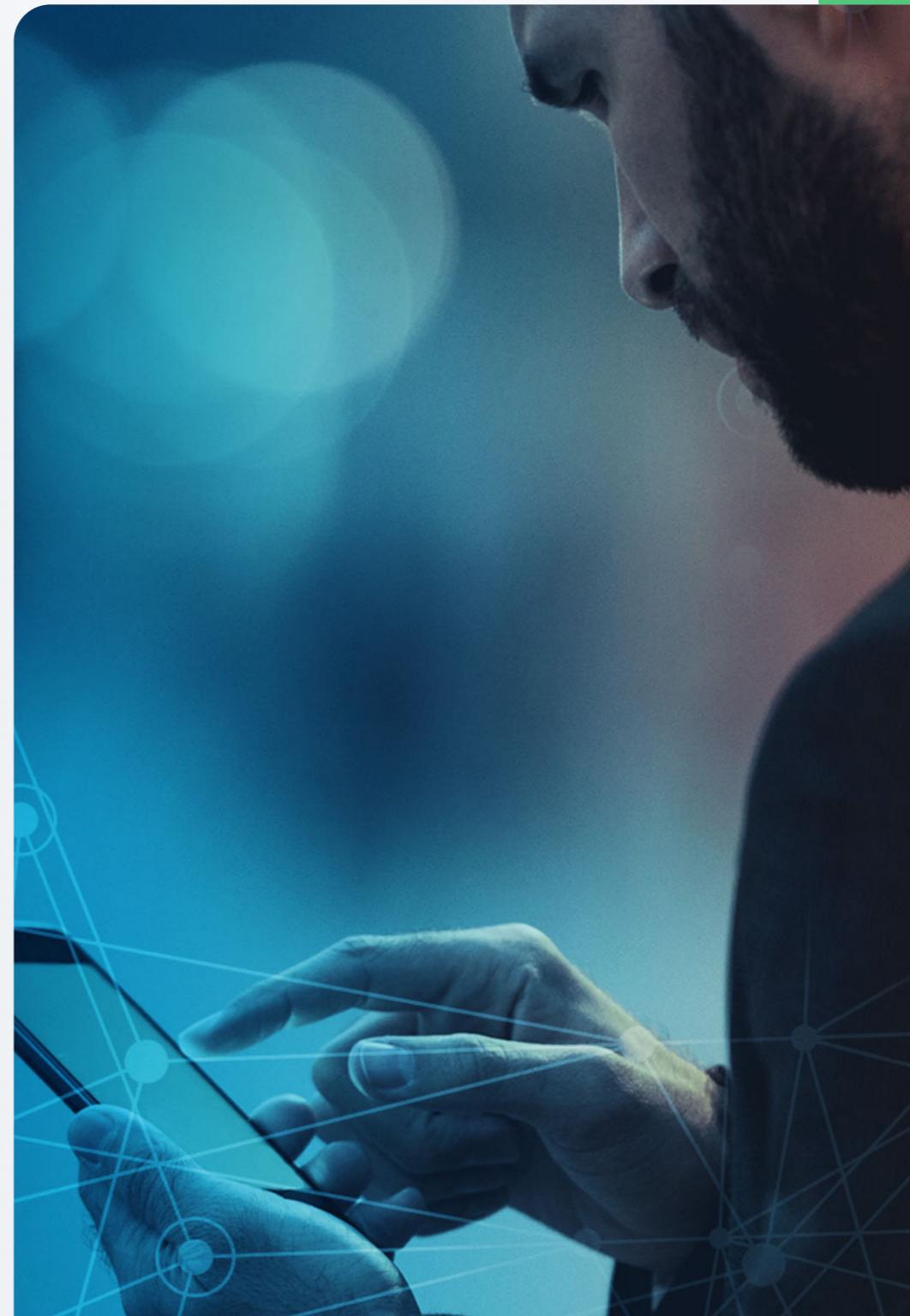
E.g. up- + -load, -grade, -date = upload, upgrade, update

- -space, -crime
- -time, -load
- -book, -mail, -commerce
- -working, -conferencing, -coms

Now match the following openings with the endings -band, -byte, -cast, -ware, -phone

- | | |
|--------------------------|----------------------------|
| • hard-, ad-, spy- | • smart-, cell-, i-, head- |
| • wave-, broad-, narrow- | • kilo-, mega-, giga- |
| • broad-, pod-, news- | |

Can you think of any other words with these openings and endings?



Game

Correct answers

Part I

- 1 Downtime, download.
- 2 E-book, email, e-commerce.
- 3 Teleworking,
teleconferencing, telecoms.
- 4 Cyberspace, cybercrime.

Part II

- 1 Hardware, adware, spyware.
- 2 Waveband, broadband,
narrowband.
- 3 Broadcast, podcast, newscast.
- 4 Smartphone, cellphone,
Iphone, headphone.
- 5 Kilobyte, gigabyte, gigabyte.

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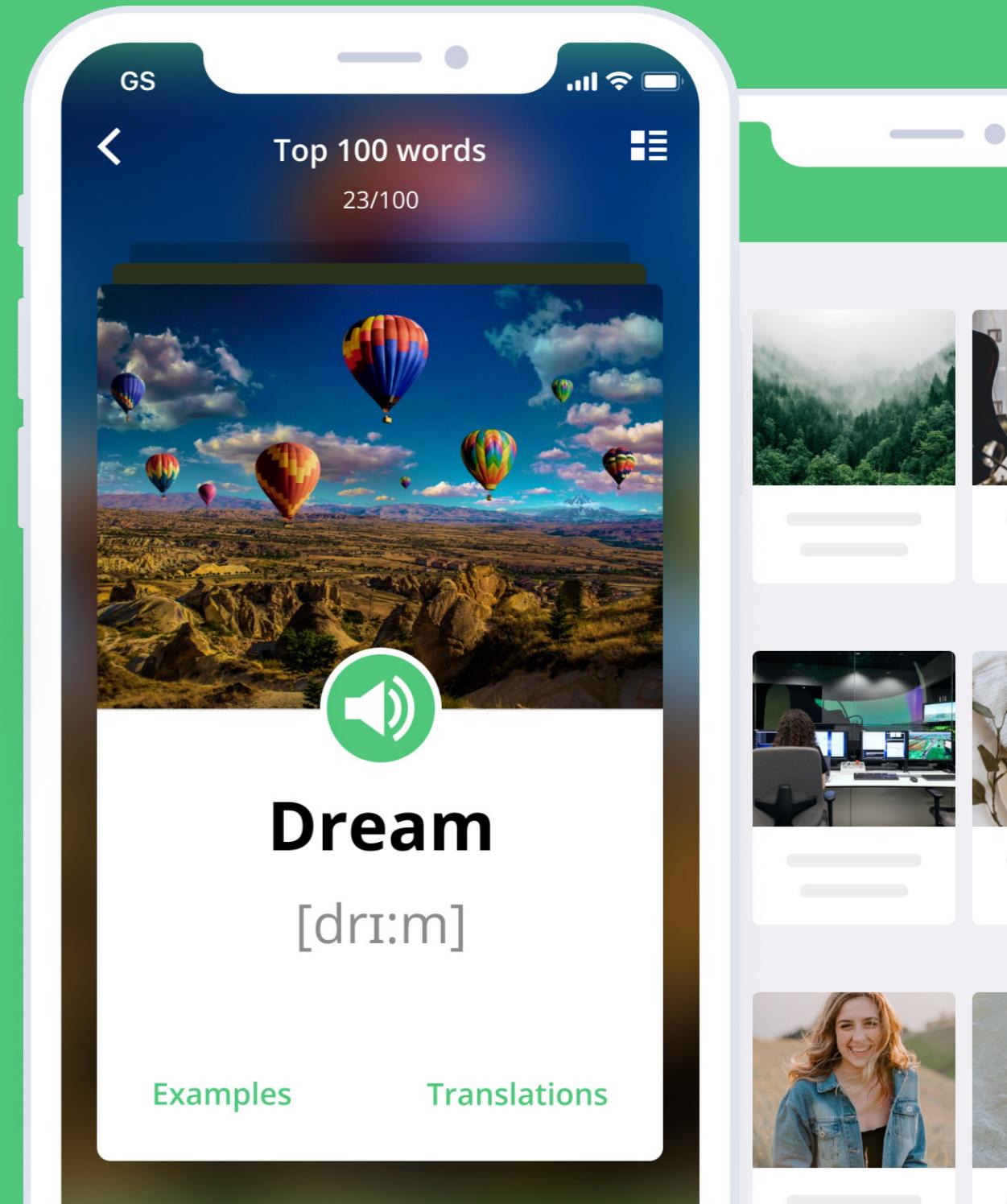
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БЕЗКОШТОВНИЙ ПРОБНИЙ УРОК

Thank you for your attention!

to be continued...



[j u] H i [hʌɪ] how [haʊ] are