Configure NetBeans for xdebug

Go to NetBeans & follows as below:
Tools → Options → General → Web Browser
Set "Chrome" and click on "OK" button.
Tools → Options → PHP → Debugging
  Set Debugger Port: 9000
    Session ID: netbeans-xdebug   } as in php.ini
and click on "OK" button.

Always use phpinfo
page i.e. localhost/phpinfo.php
to look php.ini variables

Configure Project in NetBeans

There is a project D:\xampp\htdocs\2017\xdebug_test
having only one file index.php
To configure this project in NetBeans, follows
as below:

File → New Project
Choose Categories: PHP
Projects: PHP Application with Existing Sources
and click on "Next>" button
  → 1: Choose Project

2. Name and Location
Choose Sources Folder: D:\xampp\htdocs\2017\xdebug_test
Project Name: xdebug_test
PHP Version: PHP 7.0
Default Encoding: UTF-8
and click on "Next>" button.

Now, we may come on 3rd step "Run Configuration"
& configure it, but we will do it in another

-106-

more appropriate way. So in 2nd step, instead of click on "Next>" button, click on "Finish" button.

Now in NetBeans., at left hand side under "Projects", right click on "xdebug_test" & click on "Properties". Click on 2nd link "Run Configuration":

Configuration: Clicking on "New" button, you can create different configuration names for different settings for the same project.

For Example:

I have created 2 configuration for my project xdebug_test.

1. Configuration : <default>
   With following settings:

Run As: Local Web Site (running on local web server)

Project URL: http://localhost/2017/xdebug_test/

Index File : index.php

2. Configuration : xdebugTest ⟵ created a new one
   with following settings:

Run As: PHP Built-in Web Server (running on built-in web server)

Hostname: localhost

Port : 8080

(Router Script : index.php)

and click on "OK" button to create a new one configuration.   (keep it blank)

→ X Don't do this, otherwise for each & every debug action, control will go to index.php file first.

Start debugging project with Xdebug

Go to NetBeans and in left hand side, select/
click on project "xdebug_test" under "Projects" tab.
In header of NetBeans, click on "Debug" &
then "Debug Project (xdebug_test)".
- As a result, a browser will have been opened
with URL:
① { http://localhost:8080/?XDEBUG_SESSION_START=netbeans-xdebug
- Now back on NetBeans.
Look carefully at bottom in NetBeans.:
② { netbeans-xdebug [running] ☒

③ { The first line of PHP code background, will become green.

The above three indicates that, debugging
with xdebug has been started successfully.
Now you can create "Breakpoints" & debug your
code with following NetBeans buttons in Header:
ⓟ 🔓 🔒 🔒 🔓

When you complete your debugging, click on
☒ button at NetBeans bottom with netbeans-xdebug
[running] to end xdebug session.

Note! To start PHP's ~~in built server~~ built-in web
server, goto in directory xdebug_test (project dir)
and right click & select "Git Bash Here". Write
following command & enter (↵) :
php -S 0.0.0.0:8080 ↵
Now, You can access your project by:

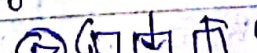http://localhost:8080/
instead of
http://localhost/2017/xdebug-test/

Remember, after making any change in php.ini
you have to terminate PHP's built-in web server
by (ctrl+c) command & restart again the
same by php -S 0.0.0.0:8080 command.
                    ↳zero

In this case XAMPP control panel box - Apache
stop/start button will not work to reflect
php.ini changes.
Remember one more thing, during xdebug
session, means when there in NetBean's bottom
appears:
netbeans-xdebug [running] ☒
then running your project i.e. hit your project
URL in browser http://localhost:8080/ will also
work under xdebug session & you will find your
browser in loading mode as xdebug focuses it's
control on first line of your project/php-file and
it remains the same until you do not use xdebu
g button in NetBeans header ⊙⊡⊡⊡⊡ to move
the control forward to reach end of your php-file/
project representing the URL http://localhost:8080/.

Debugging a project with xdebug

To start debugging project xdebug_test :

Go to NetBeans:

Select/Click the project xdebug_test on left hand side → In header, click on "Debug" tab & then click/select "Debug Project (xdebug_test)"

(As a result, xdebug session starts & xdebug control transfers to 1st line of your index file)
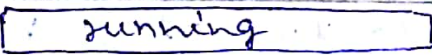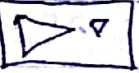
or

Select/Click the project xdebug_test on left hand side → In header, click on button [▷▾] i.e. (Ctrl+F5)

or

Right click to the project xdebug_test on left hand side and select/click "Debug".

Suppose, you have completed your debugging for the flow using above one of the three ways & you again want to debug the same flaw then don't do the above process because your xdebug-session is already (started) when you debugged first time now follow the (following):

netbeans-xdebug [running   ] ☒

Select/Click the project xdebug_test on left hand side → In header, click on button [▷▾] i.e. F6

or

Right click to the project xdebug_test on left hand side and select/click "Run".

or

Select/Click the project xdebug_test on left hand side → In header, click on "Run" tab & then click/select "Run Project (xdebug_test) F6"