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REGISTRATION

First Name

Last Name

ACE No

Employee Role

Engineer

Senior Lead

Module Lead

Mail Address

Date Of Birth

/ /

Password

Confirm Password

Register

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Stack and Heap

What is Stack and Heap?
Programming language books explain that value types are created on the stack, and reference types are created on the heap, without explaining what these two things are. I haven't read a clear explanation of this. I understand what a stack is. But,



Where and what are they (physically in a real computer's memory)?
To what extent are they controlled by the OS or language run-time?
What is their scope?
What determines the size of each of them?
What makes one faster?

The stack is the memory set aside as scratch space for a thread of execution. When a function is called, a block is reserved on the top of the stack for local variables and some bookkeeping data. When that function returns, the block becomes unused and can be used the next time a function is called. The stack is always reserved in a LIFO (last in first out) order; the most recently reserved block is always the next block to be freed. This makes it really simple to keep track of the stack; freeing a block from the stack is nothing more than adjusting one pointer.

The heap is memory set aside for dynamic allocation. Unlike the stack, there's no enforced pattern to the allocation and deallocation of blocks from the heap; you can allocate a block at any time and free it at any time. This makes it much more complex to keep track of which parts of the heap are allocated or free at any given time; there are many custom heap allocators available to tune heap performance for different usage patterns.

Each thread gets a stack, while there's typically only one heap for the application (although it isn't uncommon to have multiple heaps for different types of allocation).


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Web API

The ASP.NET Web API is an extensible framework for building HTTP based services that can be accessed in different applications on different platforms such as web, windows, mobile etc. It works more or less the same way as ASP.NET MVC web application except that it sends data as a response instead of html view. It is like a webservice or WCF service but the exception is that it only supports HTTP protocol.

These services can be accessed by different kind of users like:

Web Browsers

Mobile applications

Desktop applications

IOTs (Internet of Things)

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Cloud Computing

Simply put, cloud computing is the delivery of computing services—including servers, storage, databases, networking, software, analytics, and intelligence—over the Internet (“the cloud”) to offer faster innovation, flexible resources, and economies of scale. You typically pay only for cloud services you use, helping lower your operating costs, run your infrastructure more efficiently and scale as your business needs change.

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Cloud Computing

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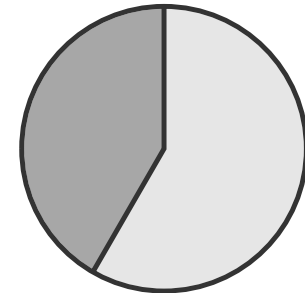
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Total Number of Reviewers

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Total Number of Articles



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| Raj Kumar\ Support Engineer | 35 | ACE7988 | Raj.kumar@aspresys.com | <input checked="" type="checkbox"/> | |
| Girish\Software Engineer | 24 | ACE5678 | Girish.ravi@aspresys.com | <input type="checkbox"/> | |
| Gowtham Technical Lead | 30 | ACE1118 | Gowtham.krish@aspresys.com | <input type="checkbox"/> | |
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| Raj Kumar\ Support Engineer | 35 | ACE7988 | Raj.kumar@aspresys.com | <input checked="" type="checkbox"/> | |
| Girish\Software Engineer | 24 | ACE5678 | Girish.ravi@aspresys.com | <input type="checkbox"/> | |
| Gowtham Technical Lead | 30 | ACE1118 | Gowtham.krish@aspresys.com | <input type="checkbox"/> | |
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| Name (job title) | Age | EmpID | Email | Reviewer | Action |
|-----------------------------|-----|------------------------|----------------------------|-------------------------------------|--------|
| Mani Maran Founder & CEO | 40 | | piresys.com | <input type="checkbox"/> | |
| Raj Kumar\ Support Engineer | 35 | | om | <input checked="" type="checkbox"/> | |
| Girish\Software Engineer | 24 | | om | <input type="checkbox"/> | |
| Gowtham Technical Lead | 30 | ACE118 | Gowtham.krish@aspresys.com | <input type="checkbox"/> | |
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| Raj Kumar\ Support Engineer | 35 | | om | <input checked="" type="checkbox"/> | |
| Girish\Software Engineer | 24 | | om | <input type="checkbox"/> | |
| Gowtham Technical Lead | 30 | ACE118 | Gowtham.krish@aspiresys.com | <input type="checkbox"/> | |
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- Employees
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- User Verification

| QueryNo | Title | ReportedUser AceNo | ViewQuery |
|---------|-------------------|--------------------|---|
| 12 | Spam Content | ACE5245 |  |
| 25 | Abusive Content | ACE5696 |  |
| 22 | UnrelatedContent. | ACE8596 |  |
| | | | |
| | | | |
| | | | |
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Query Title

```
public class WelcomeBuddy(){
```

```
    public string HyDude;  
    public string WhatsUp;
```

```
}
```

Reject

Approve



Dashboard

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Spam Reports

User Verification

Query Title

public cl

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}

Reason For Rejection

Enter text

Cancel

Send

Reject

Approve



Dashboard

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Spam Reports

User Verification

Users Waiting For Approval

| Name | DOB | EmpId | Role | Email | Action | |
|--------------|------------|---------|---------|-----------------------|--------|--------|
| Ponvizhi | 18/08/1987 | ACE4234 | CEO | Ponvizhi@aspresys.com | Reject | Accept |
| Girish kumar | 22/05/1980 | ACE2154 | SE | Girish@aspresys.com | Reject | Accept |
| Gowtham | 11/06/1979 | ACE4234 | SSE | Gowtham@aspresys.com | Reject | Accept |
| Irfan | 7/02/1982 | ACE3554 | Trainee | Irfan@aspresys.com | Reject | Accept |
| Mani maran | 27/06/1974 | ACE1124 | ML | Mani@aspresys.com | Reject | Accept |



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Users Waiting For Approval

| Name | DOB | EmpId | Role | Email | Action | |
|--------------|------------|---------|------|-----------------------|--------|--------|
| Ponvizhi | 18/08/1987 | ACE4234 | CEO | Ponvizhi@aspresys.com | Reject | Accept |
| Girish kumar | 22/05/1980 | | | @aspresys.com | Reject | Accept |
| Gowtham | 11/06/1979 | | | am@aspresys.com | Reject | Accept |
| Irfan | 7/02/1982 | | | aspresys.com | Reject | Accept |
| Mani maran | 27/06/1974 | ACE1124 | ML | Mani@aspresys.com | Reject | Accept |

Confirm

Are you sure?

NoYes



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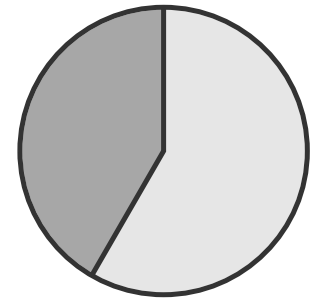
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Article To Review

45

Article Reviewed



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Article Reviewed

| Article.No | Author Name | Article Name | Status |
|------------|-------------|------------------------|------------------------------|
| 1 | Jin | Rising Sun | Not Reviewed |
| 2 | Sathosh | Happiness | Not Reviewed |
| 3 | Kiran | Master of the Universe | Under Review |
| 4 | Vizhi | The art of the Steal | Not Reviewed |
| 5 | Hemanth | Music is an art | Not Reviewed |
| 6 | Kavin | Highway Story | Under Review |



| Article No | Author Name | Article Name | Date |
|------------|-------------|--------------------------|------------|
| 1 | Kayal | Nature | 20/04/2021 |
| 2 | Sathosh | Joy of child | 09/09/2021 |
| 3 | Karthick | Say thank you | 05/08/2020 |
| 4 | Jaganath | Evolution of anxiety | 01/12/2020 |
| 5 | John | Downside of work balance | 03/02/2019 |
| 6 | Kaviya | The science of sleep | 12/11/2020 |



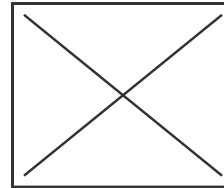
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[Home](#) > [To Review](#) > Art of Joy

To Review

Article Reviewed

Art of Joy



You can make your life happier. It is a matter of choice. You might say it is impossible, since you have so many problems. You just cannot be happy. You are wrong. You can be happy even in difficult times and when On a beautiful sunny morning, while walking to work, you meet someone, who asked you for a small loan, months ago, but haven't paid back yet. He smiles at you, says a nice "good morning", and keeps walking. If you ask people, what is happiness and what does it means to them, you will probably receive many different answers to your question. Some would say that happiness means being wealthy. The source of happiness is within us. Happiness starts from within us. External events might cause it to manifest, but the real source of happiness comes from within you

Reject

Publish



Dashboard

[Home](#) > [To Review](#) > Art of Joy

To Review

Article Reviewed

Art of Joy

Confirmation

Do you want to proceed?

No

Yes

You can make your life happy. It is impossible, since you have so many problems. You can be happy even in difficult times and when On a beautiful day, you meet someone, who asked you for a small loan, months later, you, says a nice "good morning", and keeps walking. If you ask people, what is happiness and what does it means to them, you will probably receive many different answers to your question. Some would say that happiness means being wealthy. The source of happiness is within us. Happiness starts from within us. External events might cause it to manifest, but the real source of happiness comes from within you

Reject

Publish

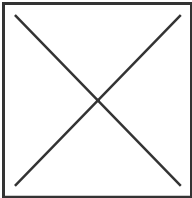


Reason for Rejection

Send



Downside of workside balance



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