

**Question # 23**

Which of the following is used as a special cache to keep track of recently used page table entries?

Revisit

PG-DAC 0921\_210322

21 22 23 24 25 26 27 28 29 30 31

Choose the best option

- Register
- Slack
- Lspap
- Translation Look Aside Buffer (TLB)

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Next Question 

DELL

1 of 2

PQ-DAC 0921\_210329

Question # 38

26 27 28 29 30 31 32 33 34 35 36

Secondary memory is divided into equal size partition (fixed) called \_\_\_\_\_ and Main memory is divided into small fixed-size blocks of (physical) memory called \_\_\_\_\_

Revisit

Choose the best option

- pages, frames
- frames, pages
- segments, frames
- pages, segments

Clear Response

Prev Question

Next Question

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Question # 37

Which of the following environment variable contains the value of default Shell Prompt?

Revisit

Choose the best option

- PS1
- PS2
- SHELL
- \$HOME

Clear Response

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Prev Question Next Question

DELL

Question # 39

Which method can be defined only once in a program?

Revisit

Choose the best option

- main method
- finalize method
- static method
- private method

Clear Response

Prev Question

ENGLISH



DELL

Section 1 of 2

Question # 30

Which of the following is NOT way to create a new object in Java?

Revisit

Choose the best option

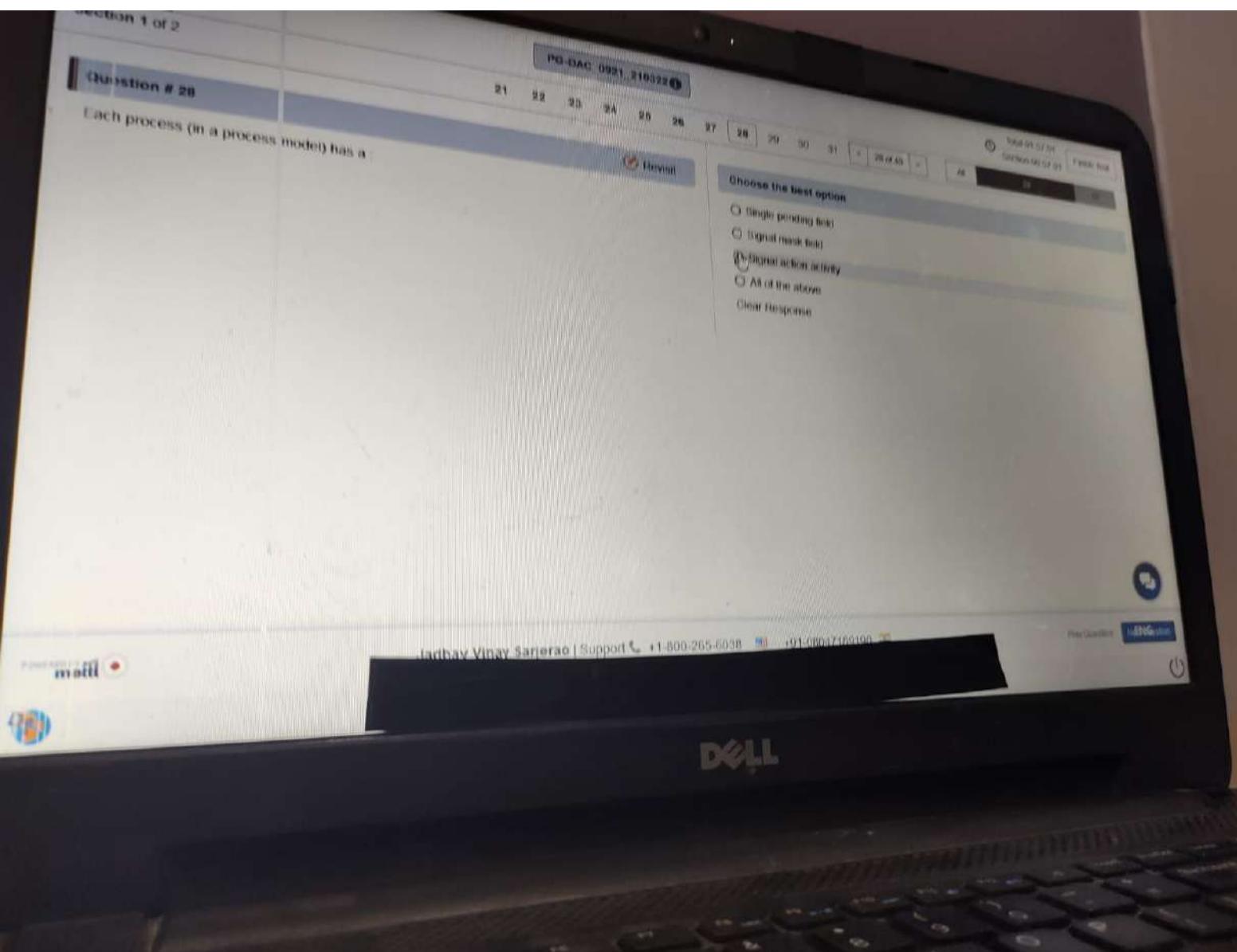
- Classname .object = new Classname();
- Object .create();
- Classname .objclassname();
- obj = classname();

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PreQuestion



DELL



## Question # 25

What will be the output of the below code snippet?

```
public class Main {  
    public static void main(String[] args) {  
        String s1 = "pgdac";  
        String s2 = new String("pgdac");  
        String s3 = 'pgdac';  
        if (s1 == s2) {  
            System.out.println("s1 and s2 equal");  
        } else {  
            System.out.println("s1 and s2 not equal");  
        }  
        if (s1 == s3) {  
            System.out.println("s1 and s3 equal");  
        } else {  
            System.out.println("s1 and s3 not equal");  
        }  
    }  
}
```

Revisit

## Choose the best option

- s1 and s2 equal  
s1 and s3 equal
- s1 and s2 equal  
s1 and s3 not equal
- s1 and s2 not equal  
s1 and s3 equal
- s1 and s2 not equal  
s1 and s3 not equal

DELL

PG-DAC\_0921\_210322

Question # 22

Signal delivery in a process model takes place:

Revisit

21 22 23 24 25 26 27 28 29 30 31

Total of 37/35  
Section 09 of 35

Finish Test

Choose the best option

- In the context of the process that received the signal
- In the context of the process that generated the signal
- In the context of the kernel
- None of the above

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Question # 19

echo \$(uname -r) is an example of \_\_\_\_\_

Revisit

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11 12 13 14 15 16 17 18 19 20 21

Total 01 of 54  
Section 00 of 14  
Finish Test

Choose the best option

- brace expansion
- arithmetic expansion
- command substitution
- parameter expansion

Clear Response

Prev Question

ANSWER



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**Question # 17**

Consider a reference string  $4, 7, 6, 1, 7, 6, 1, 2, 7, 2$ .  
the number of frames in the memory is 3 and it uses First In First Out page replacement policy. Calculate hit and miss ratio respectively.

Revisit

PG-DAC\_0921\_210322

11 12 13 14 15 16

Choose the best option

- Hit Ratio= 40 %, Miss Ratio= 60 %
- Hit Ratio= 60 %, Miss Ratio= 40 %
- Hit Ratio= 50 %, Miss Ratio= 50 %
- Hit Ratio= 40 %, Miss Ratio= 40 %

Clear Response

Prev Question Next Question

ENG

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Question # 15

What will be the output of the below code snippet?

```
public class Main {  
    static int num1 = 100;  
    static int num2 = 200;  
    static {  
        num1 += 1;  
        num2 += 1;  
    }  
    public static void main(String args[]) {  
        num1 += 5;  
        num2 += 10;  
        System.out.println(num1 + num2);  
    }  
    static {  
        num1 += 200  
        num2 += 300  
    }  
}
```

Revert

Choose the best option

- 517
- 817
- 15
- 315

PreQualified 

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DELL

**Question # 21**

Consider a single level paging scheme. The virtual address space is 4 MB and page size is 4 kB. What could be the number of pages of process here?

Choose the best option

- $2^{10}$  pages
- $2^{100}$  pages
- $2^{1000}$  pages
- $(2^{10}) - 1$  pages

Question # 14

Which one of the following is not the part of main thread libraries in use today?

Revisit

11 12 13 14 15 16 17 18 19 20 21

Total 01 100 25  
Section 00 50 25  
Finish Test

Choose the best option

- POSIX Pthreads
- Win32 threads
- Java threads
- HPUX threads

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Pre-Customized



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Question # 11

A graphical operating system - Windows NT developed by Microsoft uses \_\_\_\_\_ type of kernel?

Revisit

type of kernel?

Choose the best option

- Monolithic
- Micro
- Hybrid
- Nano

Total 01:58:45  
Section 00 56/45

Finish Test

Prev Question

Next Question



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Question # 9

Which of the following variable need to be initialized before using it?

Revisit

1 2 3 4 5 6 7 8 9 10 11 < 9 of 40 > 12 13 14 15 16 17 18 19 20 Total 01 58.75 Section 06 58.95 Finish Test

Choose the best option

Local

Instance

Static

Global

Clear Response

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Prev Question hENglish

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Question # 6

A \_\_\_\_\_ is a data structure maintained by the Operating System for every process and identified by an integer process ID (PID).

1 2 3 4 5 6 7 8 9 10 11 < 5 of 50 > 48

Total 01:58:29 Section 00:50:29 Finish Test

Revisit

Choose the best option

- Process Control Block
- Process Pointer
- Program Counter
- Process Register

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Question # 2

The section of code, which is accessed by the shared variable is known as \_\_\_\_\_

Revbit

Choose the best option

- Block V
- Semaphore
- Mutex
- Critical Section

Clear Response

Prev Question

Next Question



DELL

QUESTION # 4

What is the latest Long-Term Support (LTS) release for Java standard Edition (SE)?

1 2 3 4 5 6 7 8 9 10 11

Revise

Total 01:09:28  
Section 00:09:28

Choose the best option

Java 16

Java 15

Java 17

Java 19

Clear Response

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Next Question

Section 1 of 2

Question # 31

Where is Swap Space located/exists?

21 22 23 24 25 26 27 28 29 30 31

Revisit

Choose the best option

- Primary Memory
- Secondary Memory
- Registers
- Virtual Memory

Clear Response

Prev Question

Next Question



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Question # 1

Which of the following represent legal flow control statements?

Choose the best option

- continue();
- break();
- break;
- exit();

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Question # 7

Which of the following signals cannot be blocked, ignored and caught?

Revisit

Choose the best option

- SIGINT, SIGSTOP
- SIGINT, SIGKILL
- SIGINT, SIGILL
- SIGKILL, SIGSTOP

Clear Response

Initial Test  
Section 00 Series

Finish Test

Pre-Question

Next Question



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Question # 3

Using Priority Scheduling algorithm, find the average waiting time for the following set of processes given with their priorities in the order: Process : Burst Time : Priority respectively.

- P1 : 10 : 3,
- P2 : 1 : 1,
- P3 : 2 : 4,
- P4 : 1 : 5,
- P5 : 5 : 2.

Revisit

Choose the best option

- 8 milliseconds
- 8.5 milliseconds
- 7.75 milliseconds
- 3 milliseconds

Clear Response

Prev Question 

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Question # 10

What value is returned by the fork() system call on a successful creation of the child process to the child?

Revisit

10

11

12

13

14

15

16

17

18

19

20

Choose the best option

0

-1

1

PID of the parent process

Clear Response

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Question # 8

Which piece of code displays that the two functions are reentrant functions

Revisit

1 2 3 4 5 6 7 8 9 10 11

Choose the best option

- int x;  
int my\_function() {  
 return x \* 10;  
}  
int my\_second\_function() {  
 return my\_function() \* 20;  
}
- int my\_function(int x) {  
 return x \* 10;  
}  
int my\_second\_function(int x) {  
 return my\_function(x) \* 20;  
}
- int my\_function(int x) {  
 return x \* 10;  
}  
int my\_second\_function(int x) {  
 return my\_function(y) \* 20;  
}
- None of the above

Clear Response

Prev Question

Next Question



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Question # 12

The output of a script is:  
Weekday 1 : Mon  
Weekday 2 : Tue  
Weekday 3 : Wed  
Weekday 4 : Thu  
Weekday 5 : Fri  
Choose the correct script:

Choose the best option

- i=1  
for day in Mon Tue Wed Thu Fri  
do  
echo "Weekday \${i++} : \$day"  
done
- i=0  
for day in Mon Tue Wed Thu Fri  
do  
echo "Weekday \${i++} : \$day"  
done
- i=1  
for day in Mon Tue Wed Thu Fri  
do  
echo "Weekday \${((i++))} : \$day"  
done
- i=1  
for day in Mon Tue Wed Thu Fri  
do  
echo "Weekday \${((1+i))} : \$day"  
done

Prev Question

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Question # 5

Which of these is not a bitwise operator??

1 2 3 4 5 6 7 8 9 10 11

Total 01:59:12  
Section 00:50:12

Revisit

Choose the best option

&<sup>1</sup> Operator

^<sup>2</sup> Operator

|<sup>3</sup> Operator

<= Operator

Clear Response

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Question # 13

Kernel generate signals to:

Revisit

Choose the best option

- notify processes of events
- call user space
- stop execution of ended process
- Kernel does not generate signals

Clear Response

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Question # 18

As a part of paging technique, physical memory is broken into fixed-sized blocks called as \_\_\_\_\_.

Revisit

Choose the best option

- Pages
- Frames
- Segments
- Blocks

Clear Response



DELL

**Question # 20**

Scheduling of threads are done by:

PG-DAC\_0921\_210322

11 12 13 14 15 16 17 18 19 20 21

Total 01:57:10  
Section 00 sur 50

Finish test

Revisit

Choose the best option

- Input
- Output
- Operating System
- Main Memory

Prev Question

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Next Question



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Question # 16

The command used to display long listing of file is:

Choose the best option

ls -l

ls -a

ls -t

ls -r

[Clear Response](#)

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[Prev Question](#)

[Next Question](#)



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Section 1 of 2

Question # 26

Which of these statements is incorrect?

PG-DAC 0921 210922

21 22 23 24 25 26 27 28 29 30 31

Revisit

Choose the best option

- Every class must contain a main() method.
- Applets do not require a main() method at all.
- There can be only one main() method in a program.
- main() method must be made public.

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Prev Question Next Question

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Question # 24

Memory management technique in which Operating System stores and retrieves data from secondary storage for use in main memory is called \_\_\_\_\_

PG-DAC\_0921\_210322

21 22 23 24 25 26 27 28 29 30 31

Revisit

Total 01 of 23  
Searched 00 of 23  
Print Test

Choose the best option

- Fragmentation
- Paging
- Mapping
- Thrashing

Prev Question ENG

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Question # 38

Which is a valid way to declare and initialize an array?

PG-DAC 0921\_210322

30 31 32 33 34 35 36 37 38 39 40

Revisit

Choose the best option

- int [] arr = {"1", "2", "3"};
- int [] arr = {5, 6, 2};
- int arr [] = {4,9,7,0};
- int arr [] = {4, 3, 7};

Clear Response

Prev Question  Next Question

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ENGLISH



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Section 1 of 2

Question # 27

Which of the following for loop declaration is not valid?

PG-DAC\_0921\_210322

21 22 23 24 25 26 27 28 29 30 31

Review

Choose the best option

- for ( int i = 99; i >= 0; i / 9 )
- for ( int i = 7; i <= 7; i += 7 )
- for ( int i = 20; i >= 2; -i )
- for ( int i = 2; i <= 20; i = 2 \* i )

Clear Response

Total 01 of 02  
Section 00 of 02  
Finish Test

Press Question:



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Section 1 of 2

Question # 30

Which of the following is right way to create a new object in Java?

Revisit

PG-DAC\_0921\_210322

21 22 23 24 25 26 27 28 29 30 31

Choose the best option

- Classname object = new Classname();
- Object create();
- classname objectname();
- obj = classname();

Clear Response

Start Test  
Sections 00/00

Finish Test



Prev Question Next Question



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Question # 36

Another type of multiple-GP system is the:

PG-DAC\_0921\_210322

30 31 32 33 34 35 36 37 38 39 40

Reveal

Choose the best option

- Mini Computer
- Super Computer
- Clustered System
- Network Computer

Clear Response

Prev Question



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Question # 33

Involves storing the context or state of a process so that it can be restored when required and execution can be resumed from the same point as earlier.

PG-DAC\_0821\_210322

26 27 28 29 30 31 32 33 34 35 36

2024-01-06 23  
Duration: 00:06:33  
Finish test

Choose the best option

- Process switching
- Context switching
- Process swapping
- Context swapping

Clear Response

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Prev Question Next Question

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Question # 40

Which one is fastest form of Inter-process communication (IPC)?

Review

30 31 32 33 34 35 36 37 38 39 40

Choose the best option

- Signals
- Shared Memory
- Message Queues
- Pipes

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Next Question

End Session



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Section 1 of 2

Question # 34

A dirty bit or modified bit is a bit that is associated with a block of computer memory and indicates whether or not the corresponding block of memory has been modified. When the dirty bit is switched \_\_\_\_\_, the page is modified and can be replaced in memory. If it is \_\_\_\_\_, no replacement is necessary since no update have been made.

Revisit

26 27 28 29 30 31 32 33 34 35 36 37 38 39 40

Choose the best option

- on, on
- off, on
- off, off
- None of the above

Clear Response

100%  
Section 1 of 2  
Page 34 of 40

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Section 1 of 2

Question # 32

Which of the following should surround regular expressions to ensure that they are processed properly?

PG-DAC 0921\_210322

26 27 28 29 30 31 32 33 34 35 36

Choose the best option

- Parentheses
- Backslashes
- Double quotation marks
- Single quotation marks

Clear Response

India 09:56:35  
Section 09/10

Finish Test

Prev Question

Next Question



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PG-DAC\_0921\_210322 1

स्थिरक  
CDAC

Session 1 of 2

28 29 30 31 32 33 34 35 36 37 38 39 40

Revisit

Choose the best option

- Java 16
- Java 15
- Java 17
- Java 19

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Powered by Triple Camera

30> Which of the following is to create new object in java?

=>

a> Classroom obj = new Classroom();

24> which of the following for loop declaration is not valid?

=> a> for (int i=99 ; i>=0 , i--)

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सी एक  
DACP

Section 1 of 2

PG-DAC\_0921\_210327

28 29 30 31 32 33 34 35 36 37 38 39 40

Question # 40

 Revisit

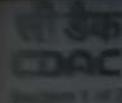
Signal delivery in a process model takes place:

Choose the best option

- in the context of the process that receives the signal
- in the context of the process that generates the signal
- in the context of the kernel
- None of the above

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Document 1 of 2

PQ-DAC\_0921\_210322

23 24 25 26 27 28 29 30 31 32 33 34 35

30 of 40

Question 9 of 30

Revisit

The command used to display long listing of file is:

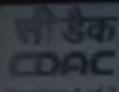
Choose the best option

- ls -l
- ls -a
- ls -t
- ls -r

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Section 1 of 2

PG-DAC\_0921\_210322

28 29 30 31 32 33 34 35 36 37 38 39 40

Question # 38

Revisit

The section of code, which is accessed by the shared variable is known as \_\_\_\_\_.

Choose the best option

- Block V
- Semaphore
- Mutex
- Critical Section

Clear Response

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Question # 27

 Revisit

Which one is fastest form of Inter-process communication (IPC)?

Choose the best option

- Signals
- Shared Memory
- Message Queues
- Pipes

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Section 1 of 2

PG-DAC\_0921\_210322

28 29 30 31 32 33 34 35 36 37 38 39 40

Question # 38

Revisit

The section of code, which is accessed by the shared variable is known as \_\_\_\_\_.

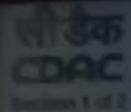
Choose the best option

- Block V
- Semaphore
- Mutex
- Critical Section

Clear Response

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Question 1 of 2

PG-DAC\_0921\_210322

28 29 30 31 32 33 34 35 36 37 38 39 40

Question 4/22

Revisit

Which of these is not a bitwise operator??

Choose the best option

- &' Operator
- &=' Operator
- |=' Operator
- <=' Operator

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CDAC

Session 1 of 2

PG-DAC\_0921\_210322 1

28 29 30 31 32 33 34 35 36 37 38 39 40

< 40 of 40 >

Question # 40

Revisit

Signal delivery in a process model takes place:

Choose the best option

- In the context of the process that received the signal
- In the context of the process that generated the signal
- In the context of the kernel
- None of the above

Clear Response

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CDAC

Section 1 of 2

PG-DAC\_0921\_210322

28 29 30 31 32 33 34 35 36 37 38 39 40

Question # 28

Revisit

Choose the best option

Q Which is a valid way to declare and initialize an array?

int [] arr = {"1", "2", "3"};  
 int [] arr = {5, 8, 2};  
 int arr [] = {4,9,7,0};  
 int arr [] = {4, 3, 7};

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Question # 24

Which of the following represent legal flow control statements?

 Revisit

Choose the best option

- continue(inner);
- break();
- break;
- exit();

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Question # 30

Revisit

The command used to display long listing of file is:

Choose the best option

ls -l

ls -a

ls -t

ls -r

[Clear Response](#)

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Question # 28

 Revisit

Logical extension of multiprogramming operating system is:

Choose the best option

- Time sharing
- Multi-tasking
- Single programing
- Time sharing and Multi-tasking

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Question # 32

 Revisit

which of the following should surround regular expressions to ensure that they are processed properly?

Choose the best option

- Parentheses
- Backslashes
- Double quotation marks
- Single quotation marks

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Question # 25

 Revisit

Another type of multiple-CPU system is the:

Choose the best option

- Mini Computer
- Super Computer
- Clustered System
- Network Computer

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Question # 28

 Revisit

Logical extension of multiprogramming operating system is:

Choose the best option

- Time sharing
- Multi-tasking
- Single programming
- Time sharing and Multi-tasking

Clear Response

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Question # 24

 Revisit

Involves storing the context or state of a process so that it can be reloaded when required and execution can be resumed from the same point as earlier.

Choose the best option

- Process Switching
  - Context Switching
  - Process Swapping
  - Context Swapping
- [Clear Response](#)

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Section 1 of 2

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28 29 30 31 32 33 34 35 36 37 38 39 40 < 39 =

Question # 29

Revisit

which is a valid way to declare and initialize an array?

Choose the best option

- int [] arr = {"1", "2", "3"};
- int [] arr = (5, 8, 2);
- int arr [] [] = {4,8,7,0};
- int arr [] = {4, 3, 7};

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PG-DAC\_0921\_210322 1

28 29 30 31 32 33 34 35 36 37 38 39 40

Choose the best option

A graphical operating system- Windows NT, developed by Microsoft uses \_\_\_\_\_ type of kernel?

Revisit

- Monolithic
- Micro
- Hybrid
- Nano

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Question # 28

 Revisit

Which of the following environment variable contains the value of default Shell Prompt?

Choose the best option

- PS1
- PS2
- SHELL
- \$HOME

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#### Question #4

 Revisit

Kernel generates signals to:

#### Choose the best option

- notify processes of events
- call user space
- stop execution of ended process
- Kernel does not generate signals

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Question # 4

Revisit

Choose the best option

- notify processes of events
- call user space
- stop execution of ended process
- Kernal does not generate signals

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Question # 14

Revisit

Which one of the following is not the part of main thread libraries in use today?

Choose the best option

- POSIX Pthreads
- Win32 threads
- Java threads
- HPUX threads

Clear Response

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Question #7

Revisit

Which method can be defined only once in a program?

Choose the best option

- main method
- finalize method
- static method
- private method

## Question # 13

Revisit

Choose the best option

What will be the output of the below code snippet?

```
public class Main {  
    public static void main(String[] args) {  
        String s1 = "pgdac";  
        String s2 = new String("pgdac");  
        String s3 = "pgdac";  
        if (s1 == s2) {  
            System.out.println("s1 and s2 equal");  
        } else {  
            System.out.println("s1 and s2 not equal");  
        }  
        if (s1 == s3) {  
            System.out.println("s1 and s3 equal");  
        } else {  
            System.out.println("s1 and s3 not equal");  
        }  
    }  
}
```

- s1 and s2 equal  
s1 and s3 equal
- s1 and s2 equal  
s1 and s3 not equal
- s1 and s2 not equal  
s1 and s3 equal
- s1 and s2 not equal  
s1 and s3 not equal

Revisit

Question # 13

What will be the output of the below code snippet?

```
public class Main {  
    public static void main(String[] args) {  
        String s1 = "pgdac";  
        String s2 = new String("pgdac");  
        String s3 = "pgdac";  
        if (s1 == s2) {  
            System.out.println("s1 and s2 equal");  
        } else {  
            System.out.println("s1 and s2 not equal");  
        }  
        if (s1 == s3) {  
            System.out.println("s1 and s3 equal");  
        } else {  
            System.out.println("s1 and s3 not equal");  
        }  
    }  
}
```

Choose the best option

- s1 and s2 equal  
s1 and s3 equal
- s1 and s2 equal  
s1 and s3 not equal
- s1 and s2 not equal  
s1 and s3 equal
- s1 and s2 not equal  
s1 and s3 not equal

## Question #6

 Revisit

Choose the best option

What value is returned by the fork() system call on a successful creation of the child process to the child?

- 0
- 1
- 1
- PID of the parent process

Question # 12

Revisit

A dirty bit or modified bit is a bit that is associated with a block of computer memory and indicates whether or not the corresponding block of memory has been modified. When the dirty bit is switched \_\_\_\_\_, the page is modified and can be replaced in memory. If it is \_\_\_\_\_, no replacement is necessary since no updates have been made.

Choose the best option

- on, off
- off, on
- off, off
- None of the above

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Question # 3

Revisit

Which of the following signals cannot be blocked, ignored and caught?

Choose the best option

- SIGINT SIGSTOP
- SIGINT SIGKILL
- SIGINT SIGILL
- SIGKILL SIGSTOP

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Question # 1

Revert

Consider a single level paging scheme. The virtual address space is 4 MB and page size is 4 KB. What could be the number of pages of process here?

Choose the best option

- $2^{10}$  pages
- $2^{100}$  pages
- $2^{1000}$  pages
- $(2^{10}) - 1$  pages

[Clear Response](#)

**Question # 1**

Consider a single level paging scheme. The virtual address space is 4 MB and page size is 4 KB. What could be the number of pages of process here?

**Choose the best option**

- 2<sup>10</sup> pages
- 2<sup>100</sup> pages
- 2<sup>1000</sup> pages
- (2<sup>10</sup>) -1 pages

[Clear Response](#)

**Question # 10** Revisit

Using Priority Scheduling algorithm, find the average waiting time for the following set of processes given with their priorities in the order: Process : Burst Time : Priority respectively .

- P1 : 10 : 3,
- P2 : 1 : 1,
- P3 : 2 : 4,
- P4 : 1 : 5,
- P5 : 5 : 2.

Choose the best option

- 8 milliseconds
- 8.5 milliseconds
- 7.75 milliseconds
- 3 milliseconds

Question # 6

Revisit

Which of the following for loop declaration is not valid?

Choose the best option

- for ( int i = 99; i >= 0; i / 9 )
- for ( int i = 7; i <= 77; i += 7 )
- for ( int i = 20; i >= 2; -i )
- for ( int i = 2; i <= 20; i = 2\* i )

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1 2 3 4 5 6 7 8 9 10 11 12 13

Question # 8

What value is returned by the fork() system call on a successful creation of the child process to the child?

Revisit

Choose the best option

0

-1

1

PID of the parent process

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Question # 5

Revisit

Which of the following for loop declaration is not valid?

Choose the best option

- for ( int i = 99; i >= 0; i / 9 )
- for ( int i = 7; i <= 77; i += 7 )
- for ( int i = 20; i >= 2; - i )
- for ( int i = 2; i <= 20; i = 2 \* i )

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Question # 8

Revisit

What value is returned by the fork() system call on a successful creation of the child process to the child?

Choose the best option

- 0
- 1
- 1
- PID of the parent process

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Question # 11

 Revisit

Where is Swap Space located/exists?

Choose the best option

- Primary Memory
- Secondary Memory
- Registers
- Virtual Memory

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1 2 3 4 5 6 7 8 9 10 11 12 13

Question #7

Revisit

Which method can be defined only once in a program?

Choose the best option

- main method
- finalize method
- static method
- private method

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