Q1.

What will be the output of the program ?

#include<stdio.h>

#include<string.h>

int main()

{

char str1[20] = "Hello", str2[20] = " World";

printf("%s\n", strcpy(str2, strcat(str1, str2)));

return 0;

}

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | Hello | | [**B.**](javascript:%20void%200;) | World | | [**C.**](javascript:%20void%200;) | Hello World | | [**D.**](javascript:%20void%200;) | WorldHello |   **Answer:** Option **C**  Q2.  What will be the output of the program ? |
| #include<stdio.h>  int main()  {  char p[] = "%d\n";  p[1] = 'c';  printf(p, 65);  return 0;  }   |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | A | | [**B.**](javascript:%20void%200;) | a | | [**C.**](javascript:%20void%200;) | c | | [**D.**](javascript:%20void%200;) | 65 | |

Output:A

Q3

What will be the output for below program?

int main()

{

struct emp

{

char \*n;

int age;

};

struct emp e1 = {"Dravid", 23};

struct emp e2 = e1;

printf("%s\n", e2.n);

return 0;

}

|  |  |
| --- | --- |
| [**A.**](javascript:%20void%200;) | Error: Invalid structure assignment |
| [**B.**](javascript:%20void%200;) | DRAVID |
| [**C.**](javascript:%20void%200;) | Dravid |
| [**D.**](javascript:%20void%200;) | No output |

Answer C

|  |
| --- |
| Q4.  Which of the following statements are correct about the program below?  **#include<stdio.h>**  int main()  {  char str[20], \*s;  printf("Enter a string\n");  scanf("%s", str);  s=str;  while(\*s != '\0')  {  if(\*s >= 97 && \*s <= 122)  \*s = \*s-32;  s++;  }  printf("%s",str);  return 0;  } |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | The code converts a string in to an integer | | [**B.**](javascript:%20void%200;) | The code converts lower case character to upper case | | [**C.**](javascript:%20void%200;) | The code converts upper case character to lower case | | [**D.**](javascript:%20void%200;) | Error in code |   **Answer:** Option **B** |

|  |
| --- |
| Q5 Which of the following statement is correct? |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | strcmp(s1, s2) returns a number less than 0 if s1>s2 | | [**B.**](javascript:%20void%200;) | strcmp(s1, s2) returns a number greater than 0 if s1<s2 | | [**C.**](javascript:%20void%200;) | strcmp(s1, s2) returns 0 if s1==s2 | | [**D.**](javascript:%20void%200;) | strcmp(s1, s2) returns 1 if s1==s2 |   **Answer:** Option **C** |

Q6

Point out the error in below program code?

#include<stdio.h>

#include<string.h>

void modify(struct emp\*);

struct emp

{

char name[20];

int age;

};

int main()

{

struct emp e = {"David", 35};

modify(&e);

printf("%s %d", e.name, e.age);

return 0;

}

void modify(struct emp \*p)

{

p ->age=p->age+2;

}

|  |  |
| --- | --- |
| [**A.**](javascript:%20void%200;) | Error: in structure |
| [**B.**](javascript:%20void%200;) | Error: in prototype declaration unknown struct emp |
| [**C.**](javascript:%20void%200;) | No error |
| [**D.**](javascript:%20void%200;) | None of above |

Answer B

Q 7.

|  |
| --- |
| What does the following declaration mean? int (\*ptr)[10]; |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | ptr is array of pointers to 10 integers | | [**B.**](javascript:%20void%200;) | ptr is a pointer to an array of 10 integers | | [**C.**](javascript:%20void%200;) | ptr is an array of 10 integers | | [**D.**](javascript:%20void%200;) | ptr is an pointer to array | |

Answer B

|  |
| --- |
| Q 8  In C, if you pass an array as an argument to a function, what actually gets passed? |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | Value of elements in array | | [**B.**](javascript:%20void%200;) | First element of the array | | [**C.**](javascript:%20void%200;) | Base address of the array | | [**D.**](javascript:%20void%200;) | Address of the last element of array | |

Answer C

Q 9

What will be the output of the program ?

#include<stdio.h>

int main()

{

int a[5] = {5, 1, 15, 20, 25};

int i, j, m;

i = ++a[1];

j = a[1]++;

m = a[i++];

printf("%d, %d, %d", i, j, m);

return 0;

}

|  |  |
| --- | --- |
| [**A.**](javascript:%20void%200;) | 2, 1, 15 |
| [**B.**](javascript:%20void%200;) | 1, 2, 5 |
| [**C.**](javascript:%20void%200;) | 3, 2, 15 |
| [**D.**](javascript:%20void%200;) | 2, 3, 20 |

Answer C

Q10 What will be the output of the program ?

#include<stdio.h>

int main()

{

void fun(int, int[]);

int arr[] = {1, 2, 3, 4};

int i;

fun(4, arr);

for(i=0; i<4; i++)

printf("%d,", arr[i]);

return 0;

}

void fun(int n, int arr[])

{

int \*p=0;

int i=0;

while(i++ < n)

p = &arr[i];

\*p=0;

}

|  |  |
| --- | --- |
| [**A.**](javascript:%20void%200;) | 2, 3, 4, 5 |
| [**B.**](javascript:%20void%200;) | 1, 2, 3, 4 |
| [**C.**](javascript:%20void%200;) | 0, 1, 2, 3 |
| [**D.**](javascript:%20void%200;) | 3, 2, 1 0 |

Answer B

Q11 What will be the output of the program ?

#include<stdio.h>

void fun(int \*\*p);

int main()

{

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

int \*ptr;

ptr = &a[0][0];

fun(&ptr);

return 0;

}

void fun(int \*\*p)

{

printf("%d\n", \*\*p);

}

|  |  |
| --- | --- |
| [**A.**](javascript:%20void%200;) | 1 |
| [**B.**](javascript:%20void%200;) | 2 |
| [**C.**](javascript:%20void%200;) | 3 |
| [**D.**](javascript:%20void%200;) | 4 |

**Answer:** Option **A**

Q12 What will be the output of the program ?

#include<stdio.h>

int main()

{

int arr[5], i=0;

while(i<5)

arr[i]=++i;

for(i=0; i<5; i++)

printf("%d, ", arr[i]);

return 0;

}

|  |  |
| --- | --- |
| [**A.**](javascript:%20void%200;) | 1, 2, 3, 4, 5, |
| [**B.**](javascript:%20void%200;) | Garbage value, 1, 2, 3, 4, |
| [**C.**](javascript:%20void%200;) | 0, 1, 2, 3, 4, |
| [**D.**](javascript:%20void%200;) | 2, 3, 4, 5, 6, |

**Answer:** Option **B**

Q13

|  |
| --- |
| Is there any difference int the following declarations? int fun(int arr[]); int fun(int arr[2]); |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | Yes | | [**B.**](javascript:%20void%200;) | No |   **Answer:** Option **B** |

Q14

|  |
| --- |
| The library function used to find the last occurrence of a character in a string is |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | strnstr() | | [**B.**](javascript:%20void%200;) | laststr() | | [**C.**](javascript:%20void%200;) | strrchr() | | [**D.**](javascript:%20void%200;) | strstr() |   **Answer:** Option **C** |

Q15

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Which of the following statements are correct ?   |  |  | | --- | --- | | 1: | A string is a collection of characters terminated by '\0'. | | 2: | The format specifier %s is used to print a string. | | 3: | The length of the string can be obtained by strlen(). | | 4: | The pointer CANNOT work on string. | |
| |  |  | | --- | --- | | [**A.**](javascript:%20void%200;) | 1, 2 | | [**B.**](javascript:%20void%200;) | 1, 2, 3 | | [**C.**](javascript:%20void%200;) | 2, 4 | | [**D.**](javascript:%20void%200;) | 3, 4 |   **Answer:** Option **B** |

Q16 What will be the output of below program?

#include<stdio.h>

struct course

{

int courseno;

char coursename[25];

};

int main()

{

struct course c[] = { {102, "Java"},

{103, "PHP"},

{104, "DotNet"} };

printf("%d ", c[1].courseno);

printf("%s\n", (\*(c+2)).coursename);

return 0;

}

|  |  |
| --- | --- |
| [**A.**](javascript:%20void%200;) | 103 DotNet |
| [**B.**](javascript:%20void%200;) | 102 Java |
| [**C.**](javascript:%20void%200;) | 103 PHP |
| [**D.**](javascript:%20void%200;) | 104 DotNet |

**Answer:** Option **A**

Q17

What is true about the below code snippet?

typedef struct s

{

int a;

float b;

}s;

|  |  |
| --- | --- |
| [**A.**](javascript:%20void%200;) | It declares a structure of name 's' |
|  | It allocates memory to typedef  The size of this structure is 4  It will give compile time error |

**Answer:** Option **A**

Q18

#include <stdio.h>

#include<string.h>

int main()

{

char str[10] = "hello";

char \*p = strrchr(str, 'l');

printf("%c\n", \*(++p));

}

A o

B l

C e

D error

Answer A

Q19 What will be the output of program?

#include <stdio.h>

struct

{

int k;

char c;

} p;

int p = 10;

int main()

{

p.k = 10;

printf("%d %d\n", p.k, p);

}

A Compile time error

B 10 10

Q20

What is the output?

#include <stdio.h>

void main()

{

char \*a[10] = {"hi", "hello", "how"};

int i = 0, j = 0;

a[0] = "hey";

for (i = 0;i < 10; i++)

printf("%s\n", a[i]);

}

A hey

hello

how

B hi

hello

how

C compile time error

Answer A