

```
1. #include<stdio.h>
#include<string.h>

int func(void *Ptr);
int main()
{
    char *Str = "abcdefghij";
    func(Str);
    return 0;
}
int func(void *Ptr)
{
    printf("%s ",Ptr);
    return 0;
}
```

Answers

1. **abcdefghij**
2. Garbage value
3. compile time error
4. runtime error

2. What will be the o/p of the following code

```
#include <stdio.h>
int num=10;
void update(int *ptr)
{
    *ptr+=num;
}
int main(void)
{
    int num=100;
    printf("%d\n",num);
    update(&num);
    printf("%d\n",num);
}
```

Answers

1. 100 100

2. 100 10

3. 100 110

4. 100 garbage

3. What will be the output?

```
#include<stdio.h>

void main()
{
const int no=100;
int * const no_ptr = &no;
printf(" %d",no);
int value = *no_ptr ? ++*no : --*no ;
printf(" %d",value);
int k = 4;
int *const p = &k;
int r = 3;
p = &r;
printf("%d", p);
}
```

Answers

1. 100 100 3

2. 100 101 3

3. Compile time error

4. Run time error

```
4. #include <stdio.h>
void test(int *a, int *b)
{
    a = b;
    *a = 30;
}
int x = 30, y = 20;
int main()
{
    test(&x, &y);
    printf("%d %d", x, y);
    return 0;
}
```

Answers

1. 30 30

2. 30 20

3. 20 20

4. 20 30

```

5. #include<stdio.h>
#include<stdlib.h>
int main()
{
    int stuf[5];
    int *p ;
    stuf[0]=0;
    p = &stuf[1];
    *p = 20;
    p = &stuf[1];
    *p = 30;
    ++p;
    *p = 40;
    p= stuf + 4;
    *p = 50;

    for(int i=0; i<= 4; i++)
    {
        printf("stuf[ %d] = %d\n",i,stuf[i]);
    }
    return 0;
}

```

Answers

1. ERROR
2. 60 30 40 garbage value 50
3. 0 30 40 garbage value 50
4. 65 30 40 45 50

6. What will be the output?

```
#include <stdio.h>
int main(void)
{
    const int p = 5;
    int *const ptr = &p;
    ++(*ptr);
    printf("%d\n",p);
    return 0;
}
```

Answers

1. 5

2. 6

3. Compile time error

4. Run time error

```
7. #include <stdio.h>
int main(void)
{
    char num=256;
    int *ptr=&num;
    *ptr++;
    int *ptr2=--ptr;
    printf("%d",*(char *)ptr2);
}
```

Answers

1. Garbage

2. 10

3. 0

4. 11

```
8. #include <stdio.h>
int main()
{
    const int a =7;
    const int * p=&a;
    printf("%d",++*p);
    return 0;
}
```

Answers

1. 7

2. 8

3. Compiler Error

4. Garbage Value8.

9. Predict The Output?

```
#include <stdio.h>
int main()
{
    int i = 97, *p = &i;
    show((&i)++);
    printf("%d  %d",i,*p);
    return 0;
}
void show(int *p)
{
    int j = 2;
    *p = &j;
    printf("%d %d ", j,*p);
}
```

Answers

1. 2 6684172 6684172 6684172

2. 2 6684172 97 6684172

3. Compiler Error

4. Run Time Error

10. What will be the o/p of the following code

```
#include <stdio.h>
int main(void)
{
    int num=10;
    int *ptr=&num;;
    int **pptr=NULL;

    pptr=&ptr+1;

    printf("%d",**--pptr+1);
    return 0;
}
```

Answers

1. 10
2. Garbage
3. Runtime Error
4. 11